

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: P218129

Luminaire Tested: **8TSNLED-LD5-68SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218129
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: 8TSNLED-LD5-68SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7276.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

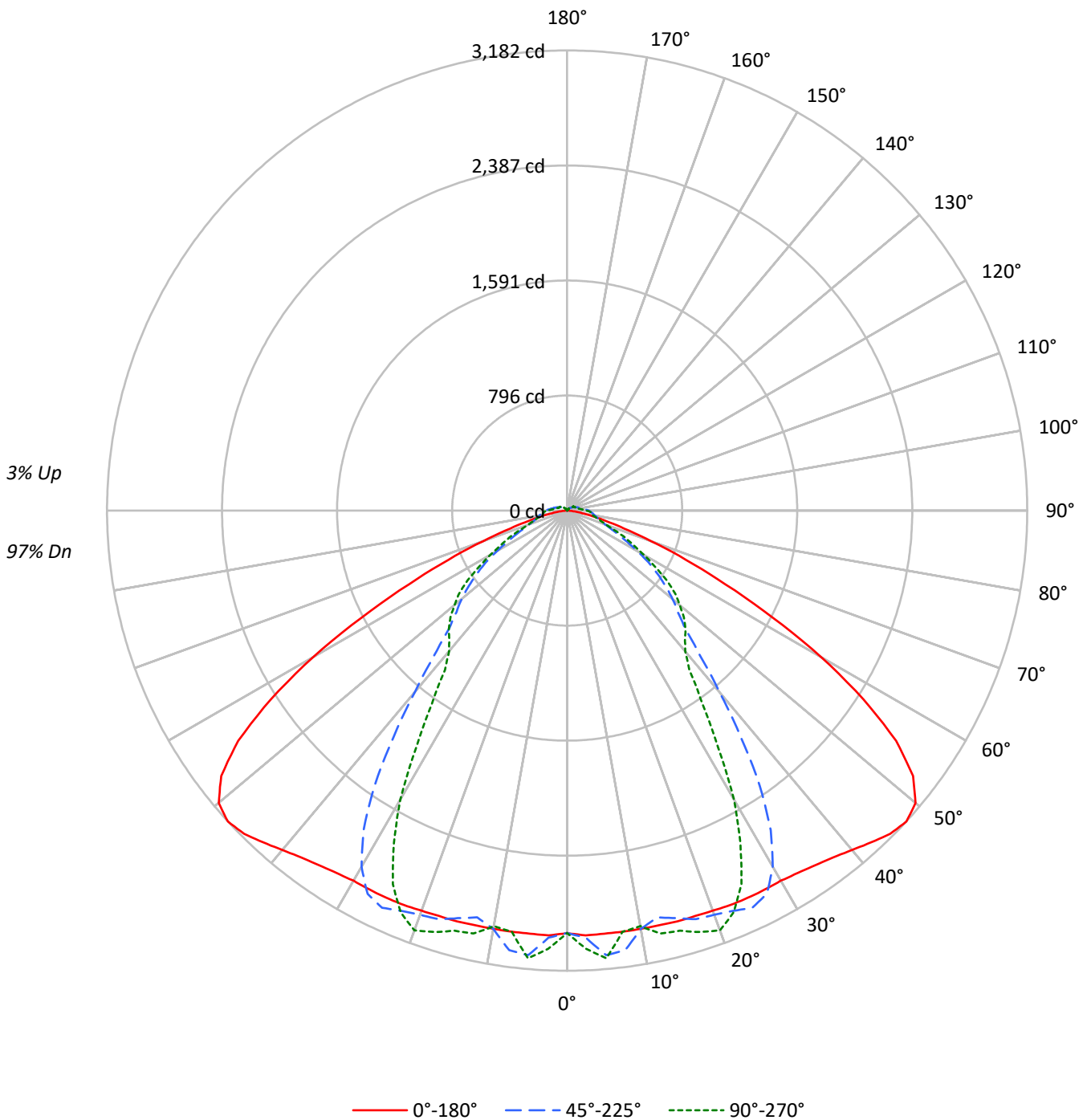
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	57	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°	23540	23540	23540
5°	23707	23472	23113
10°	23937	21312	20294
15°	24389	20394	19783
20°	25052	20192	19419
25°	26018	20150	17285
30°	27165	18672	13610
35°	29008	15174	9431
40°	31662	10727	7258
45°	35268	7635	6594
50°	38463	6420	5811
55°	37873	5277	4844
60°	31603	3998	3622
65°	22004	2896	2663
70°	13849	2204	1825
75°	7953	1882	1445
80°	4634	1762	1243
85°	2224	1711	1246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.2	3.9
10°-20°	845.9	11.6
20°-30°	1344.1	18.5
30°-40°	1449.2	19.9
40°-50°	1249.1	17.2
50°-60°	945.6	13.0
60°-70°	510.9	7.0
70°-80°	242.6	3.3
80°-90°	152.3	2.1
90°-100°	96.9	1.3
100°-110°	62.0	0.9
110°-120°	41.5	0.6
120°-130°	27.4	0.4
130°-140°	13.4	0.2
140°-150°	5.7	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2477.1	34.0
0°-40°	3926.3	54.0
0°-60°	6120.9	84.1
0°-90°	7026.8	96.6
90°-120°	200.5	2.8
90°-150°	247.0	3.4
90°-180°	249.0	3.4
0°-180°	7276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2922	2922	2922	2922	2922	
5°	2937	3000	3086	3126	3108	280
15°	2940	3018	2918	3018	3007	833
25°	2955	2899	3030	2948	2851	1367
35°	2992	2881	2322	1775	1630	1885
45°	3160	1980	1154	1143	1158	2432
55°	2777	856	763	834	837	2415
65°	1206	365	387	436	439	1238
75°	275	190	223	223	220	324
85°	30	115	171	171	168	43
90°	0	89	149	145	134	2
95°	0	71	119	108	100	0
105°	0	45	82	74	67	0
115°	0	26	56	56	56	0
125°	0	15	37	48	45	0
135°	0	7	22	26	26	0
145°	0	4	11	15	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2921.7	2921.7	2921.7	2921.7	2921.7
2.5°	2940.3	2944.1	2955.2	3011.0	3033.4
5°	2936.6	2999.9	3085.5	3126.4	3107.8
7.5°	2936.6	3066.9	3066.9	2988.7	2936.6
10°	2936.6	3104.1	2936.6	2921.7	2918.0
12.5°	2936.6	3081.8	2880.8	2985.0	2996.2
15°	2940.3	3018.5	2918.0	3018.5	3007.3
17.5°	2940.3	2944.1	2962.7	3040.8	3055.7
20°	2944.1	2895.7	2973.8	3100.4	3089.2
22.5°	2951.5	2888.2	2996.2	3074.3	3007.3
25°	2955.2	2899.4	3029.7	2947.8	2851.0
27.5°	2955.2	2914.3	2988.7	2754.2	2594.2
30°	2955.2	2921.7	2843.6	2486.3	2307.6
32.5°	2970.1	2914.3	2620.2	2136.4	1942.8
35°	2992.4	2880.8	2322.5	1775.4	1630.2
37.5°	3022.2	2791.5	1972.6	1485.1	1388.3
40°	3063.2	2597.9	1637.7	1299.0	1269.2
42.5°	3111.5	2315.0	1362.2	1205.9	1205.9
45°	3159.9	1980.1	1153.8	1142.6	1157.5
47.5°	3182.3	1652.5	1038.4	1079.4	1094.2
50°	3145.0	1347.3	952.8	1008.6	1016.1
52.5°	3014.8	1075.6	856.0	923.0	941.6
55°	2776.6	856.0	763.0	833.7	837.4
57.5°	2430.4	681.1	666.2	722.1	718.3
60°	2032.2	550.8	558.3	614.1	614.1
62.5°	1604.2	446.6	469.0	517.3	513.6
65°	1205.9	364.7	387.1	435.5	439.2
67.5°	889.5	301.5	327.5	361.0	353.6
70°	621.6	253.1	279.1	297.8	290.3
72.5°	413.1	215.9	245.6	253.1	249.4
75°	275.4	189.8	223.3	223.3	219.6
77.5°	178.7	167.5	208.4	204.7	197.3
80°	111.7	148.9	193.5	186.1	178.7
82.5°	67.0	130.3	182.4	174.9	167.5
85°	29.8	115.4	171.2	171.2	167.5
87.5°	11.2	104.2	160.0	163.8	156.3
90°	0.0	89.3	148.9	145.2	134.0
92.5°	0.0	81.9	134.0	122.8	115.4
95°	0.0	70.7	119.1	107.9	100.5
97.5°	0.0	63.3	107.9	96.8	89.3
100°	0.0	55.8	96.8	85.6	78.2
102.5°	0.0	48.4	89.3	78.2	74.4
105°	0.0	44.7	81.9	74.4	67.0
107.5°	0.0	40.9	74.4	67.0	63.3
110°	0.0	33.5	67.0	63.3	59.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.8	59.6	59.6	59.6
115°	0.0	26.1	55.8	55.8	55.8
117.5°	0.0	22.3	48.4	55.8	55.8
120°	0.0	22.3	44.7	52.1	52.1
122.5°	0.0	18.6	40.9	52.1	52.1
125°	0.0	14.9	37.2	48.4	44.7
127.5°	0.0	11.2	33.5	40.9	40.9
130°	0.0	11.2	29.8	37.2	33.5
132.5°	0.0	7.4	26.1	29.8	29.8
135°	0.0	7.4	22.3	26.1	26.1
137.5°	0.0	7.4	18.6	22.3	18.6
140°	0.0	3.7	14.9	18.6	14.9
142.5°	0.0	3.7	14.9	18.6	14.9
145°	0.0	3.7	11.2	14.9	11.2
147.5°	0.0	3.7	7.4	11.2	11.2
150°	0.0	3.7	7.4	11.2	7.4
152.5°	0.0	3.7	7.4	7.4	3.7
155°	0.0	3.7	3.7	7.4	3.7
157.5°	0.0	3.7	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	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)