

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: P218130

Luminaire Tested: **8TSNLED-LD5-68SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218130
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7871.0 lumens
Efficiency: N/A
Efficacy: 158.3 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

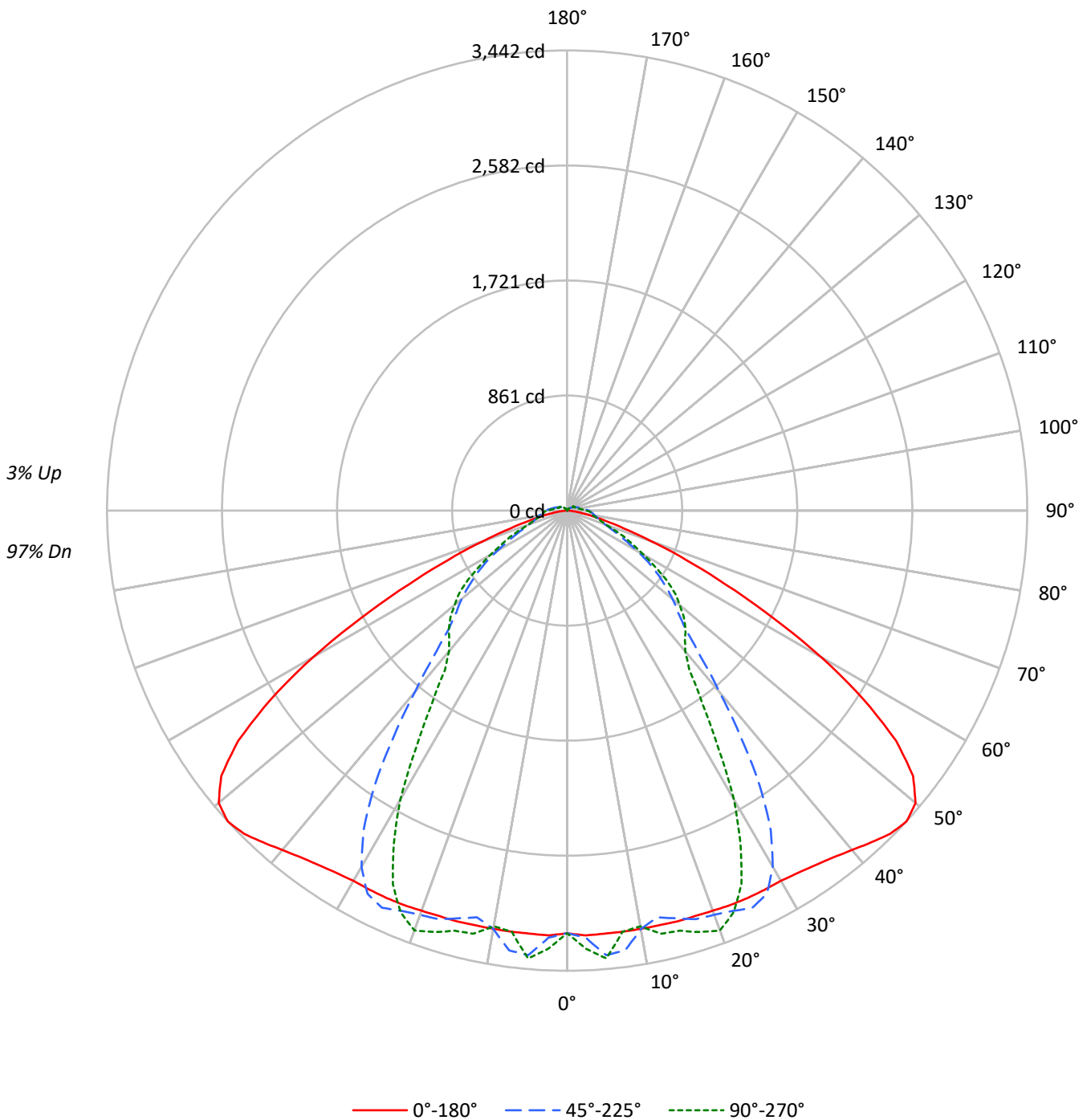
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	25464	25464	25464
5°	25645	25391	25003
10°	25894	23054	21954
15°	26384	22062	21401
20°	27100	21843	21006
25°	28146	21798	18698
30°	29387	20199	14723
35°	31380	16414	10202
40°	34251	11604	7852
45°	38152	8260	7134
50°	41609	6945	6286
55°	40969	5709	5241
60°	34188	4324	3918
65°	23803	3133	2880
70°	14980	2385	1974
75°	8603	2036	1563
80°	5012	1907	1344
85°	2403	1851	1348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	3.9
10°-20°	915.0	11.6
20°-30°	1454.0	18.5
30°-40°	1567.7	19.9
40°-50°	1351.2	17.2
50°-60°	1022.9	13.0
60°-70°	552.6	7.0
70°-80°	262.5	3.3
80°-90°	164.8	2.1
90°-100°	104.9	1.3
100°-110°	67.1	0.9
110°-120°	44.9	0.6
120°-130°	29.7	0.4
130°-140°	14.5	0.2
140°-150°	6.2	0.1
150°-160°	2.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2679.6	34.0
0°-40°	4247.3	54.0
0°-60°	6621.5	84.1
0°-90°	7601.4	96.6
90°-120°	216.9	2.8
90°-150°	267.2	3.4
90°-180°	270.0	3.4
0°-180°	7871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3161	3161	3161	3161	3161	
5°	3177	3245	3338	3382	3362	303
15°	3181	3265	3157	3265	3253	901
25°	3197	3136	3277	3189	3084	1479
35°	3237	3116	2512	1920	1764	2039
45°	3418	2142	1248	1236	1252	2631
55°	3004	926	825	902	906	2612
65°	1304	395	419	471	475	1340
75°	298	205	242	242	238	351
85°	32	125	185	185	181	47
90°	0	97	161	157	145	2
95°	0	76	129	117	109	0
105°	0	48	89	80	72	0
115°	0	28	60	60	60	0
125°	0	16	40	52	48	0
135°	0	8	24	28	28	0
145°	0	4	12	16	12	0
155°	0	4	4	8	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°	3160.6	3160.6	3160.6	3160.6	3160.6
2.5°	3180.8	3184.8	3196.9	3257.3	3281.4
5°	3176.7	3245.2	3337.8	3382.1	3362.0
7.5°	3176.7	3317.7	3317.7	3233.1	3176.7
10°	3176.7	3357.9	3176.7	3160.6	3156.6
12.5°	3176.7	3333.8	3116.4	3229.1	3241.2
15°	3180.8	3265.3	3156.6	3265.3	3253.2
17.5°	3180.8	3184.8	3204.9	3289.5	3305.6
20°	3184.8	3132.5	3217.0	3353.9	3341.8
22.5°	3192.9	3124.4	3241.2	3325.7	3253.2
25°	3196.9	3136.5	3277.4	3188.8	3084.1
27.5°	3196.9	3152.6	3233.1	2979.5	2806.3
30°	3196.9	3160.6	3076.1	2689.6	2496.3
32.5°	3213.0	3152.6	2834.5	2311.1	2101.7
35°	3237.1	3116.4	2512.4	1920.5	1763.5
37.5°	3269.4	3019.7	2133.9	1606.5	1501.8
40°	3313.6	2810.4	1771.6	1405.2	1373.0
42.5°	3366.0	2504.4	1473.6	1304.5	1304.5
45°	3418.3	2142.0	1248.2	1236.1	1252.2
47.5°	3442.5	1787.7	1123.3	1167.6	1183.7
50°	3402.2	1457.5	1030.7	1091.1	1099.2
52.5°	3261.3	1163.6	926.0	998.5	1018.7
55°	3003.6	926.0	825.4	901.9	905.9
57.5°	2629.2	736.8	720.7	781.1	777.1
60°	2198.4	595.9	603.9	664.3	664.3
62.5°	1735.3	483.2	507.3	559.7	555.6
65°	1304.5	394.6	418.7	471.1	475.1
67.5°	962.3	326.1	354.3	390.6	382.5
70°	672.4	273.8	302.0	322.1	314.1
72.5°	446.9	233.5	265.7	273.8	269.8
75°	297.9	205.3	241.6	241.6	237.6
77.5°	193.3	181.2	225.5	221.4	213.4
80°	120.8	161.1	209.4	201.3	193.3
82.5°	72.5	140.9	197.3	189.2	181.2
85°	32.2	124.8	185.2	185.2	181.2
87.5°	12.1	112.7	173.1	177.2	169.1
90°	0.0	96.6	161.1	157.0	144.9
92.5°	0.0	88.6	144.9	132.9	124.8
95°	0.0	76.5	128.8	116.8	108.7
97.5°	0.0	68.4	116.8	104.7	96.6
100°	0.0	60.4	104.7	92.6	84.6
102.5°	0.0	52.3	96.6	84.6	80.5
105°	0.0	48.3	88.6	80.5	72.5
107.5°	0.0	44.3	80.5	72.5	68.4
110°	0.0	36.2	72.5	68.4	64.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.2	64.4	64.4	64.4
115°	0.0	28.2	60.4	60.4	60.4
117.5°	0.0	24.2	52.3	60.4	60.4
120°	0.0	24.2	48.3	56.4	56.4
122.5°	0.0	20.1	44.3	56.4	56.4
125°	0.0	16.1	40.3	52.3	48.3
127.5°	0.0	12.1	36.2	44.3	44.3
130°	0.0	12.1	32.2	40.3	36.2
132.5°	0.0	8.1	28.2	32.2	32.2
135°	0.0	8.1	24.2	28.2	28.2
137.5°	0.0	8.1	20.1	24.2	20.1
140°	0.0	4.0	16.1	20.1	16.1
142.5°	0.0	4.0	16.1	20.1	16.1
145°	0.0	4.0	12.1	16.1	12.1
147.5°	0.0	4.0	8.1	12.1	12.1
150°	0.0	4.0	8.1	12.1	8.1
152.5°	0.0	4.0	8.1	8.1	4.0
155°	0.0	4.0	4.0	8.1	4.0
157.5°	0.0	4.0	4.0	4.0	4.0
160°	4.0	4.0	4.0	4.0	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)