

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: P218128

Luminaire Tested: **8TSNLED-LD5-68SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218128  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7133.9 lumens  
Efficiency: N/A  
Efficacy: 143.5 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

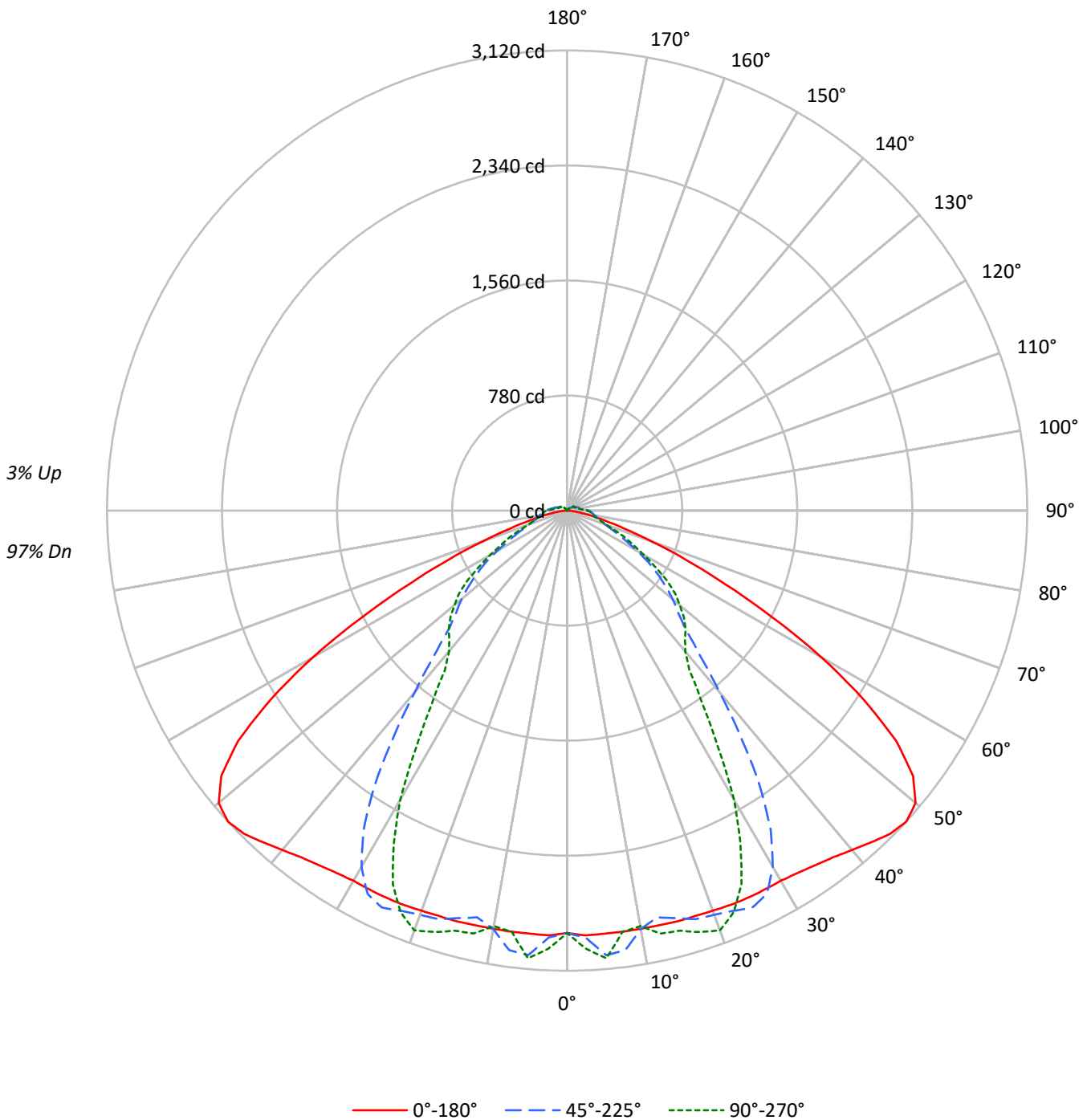
Input Watts (W): 49.72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	23080	23080	23080
5°	23244	23014	22662
10°	23469	20896	19898
15°	23913	19996	19397
20°	24563	19798	19040
25°	25510	19757	16948
30°	26635	18308	13345
35°	28442	14878	9247
40°	31044	10517	7116
45°	34580	7486	6466
50°	37713	6294	5698
55°	37134	5174	4750
60°	30986	3920	3551
65°	21575	2839	2611
70°	13577	2161	1789
75°	7797	1845	1416
80°	4543	1729	1218
85°	2179	1678	1221



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.6	3.9
10°-20°	829.3	11.6
20°-30°	1317.8	18.5
30°-40°	1420.9	19.9
40°-50°	1224.7	17.2
50°-60°	927.2	13.0
60°-70°	500.9	7.0
70°-80°	237.9	3.3
80°-90°	149.4	2.1
90°-100°	95.0	1.3
100°-110°	60.8	0.9
110°-120°	40.7	0.6
120°-130°	26.9	0.4
130°-140°	13.1	0.2
140°-150°	5.6	0.1
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2428.7	34.0
0°-40°	3849.6	54.0
0°-60°	6001.5	84.1
0°-90°	6889.6	96.6
90°-120°	196.6	2.8
90°-150°	242.1	3.4
90°-180°	244.0	3.4
0°-180°	7133.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2865	2865	2865	2865	2865	
5°	2879	2941	3025	3065	3047	275
15°	2883	2960	2861	2960	2949	817
25°	2898	2843	2970	2890	2795	1340
35°	2934	2825	2277	1741	1598	1848
45°	3098	1941	1131	1120	1135	2385
55°	2722	839	748	817	821	2368
65°	1182	358	380	427	431	1214
75°	270	186	219	219	215	318
85°	29	113	168	168	164	42
90°	0	88	146	142	131	1
95°	0	69	117	106	98	0
105°	0	44	80	73	66	0
115°	0	26	55	55	55	0
125°	0	15	36	47	44	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°	2864.7	2864.7	2864.7	2864.7	2864.7
2.5°	2882.9	2886.6	2897.5	2952.3	2974.2
5°	2879.3	2941.3	3025.3	3065.4	3047.2
7.5°	2879.3	3007.0	3007.0	2930.4	2879.3
10°	2879.3	3043.5	2879.3	2864.7	2861.0
12.5°	2879.3	3021.6	2824.6	2926.7	2937.7
15°	2882.9	2959.6	2861.0	2959.6	2948.6
17.5°	2882.9	2886.6	2904.8	2981.5	2996.1
20°	2886.6	2839.2	2915.8	3039.9	3028.9
22.5°	2893.9	2831.9	2937.7	3014.3	2948.6
25°	2897.5	2842.8	2970.5	2890.2	2795.4
27.5°	2897.5	2857.4	2930.4	2700.5	2543.6
30°	2897.5	2864.7	2788.1	2437.7	2262.6
32.5°	2912.1	2857.4	2569.1	2094.7	1904.9
35°	2934.0	2824.6	2277.2	1740.7	1598.4
37.5°	2963.2	2737.0	1934.1	1456.1	1361.2
40°	3003.4	2547.2	1605.7	1273.6	1244.4
42.5°	3050.8	2269.9	1335.6	1182.4	1182.4
45°	3098.3	1941.4	1131.3	1120.3	1134.9
47.5°	3120.1	1620.3	1018.2	1058.3	1072.9
50°	3083.7	1321.0	934.2	989.0	996.3
52.5°	2955.9	1054.6	839.3	905.0	923.3
55°	2722.4	839.3	748.1	817.4	821.1
57.5°	2383.0	667.8	653.2	708.0	704.3
60°	1992.5	540.1	547.4	602.1	602.1
62.5°	1572.8	437.9	459.8	507.3	503.6
65°	1182.4	357.6	379.5	427.0	430.6
67.5°	872.2	295.6	321.1	354.0	346.7
70°	609.4	248.2	273.7	291.9	284.6
72.5°	405.1	211.7	240.9	248.2	244.5
75°	270.0	186.1	219.0	219.0	215.3
77.5°	175.2	164.2	204.4	200.7	193.4
80°	109.5	146.0	189.8	182.5	175.2
82.5°	65.7	127.7	178.8	171.5	164.2
85°	29.2	113.1	167.9	167.9	164.2
87.5°	10.9	102.2	156.9	160.6	153.3
90°	0.0	87.6	146.0	142.3	131.4
92.5°	0.0	80.3	131.4	120.4	113.1
95°	0.0	69.3	116.8	105.8	98.5
97.5°	0.0	62.0	105.8	94.9	87.6
100°	0.0	54.7	94.9	83.9	76.6
102.5°	0.0	47.4	87.6	76.6	73.0
105°	0.0	43.8	80.3	73.0	65.7
107.5°	0.0	40.1	73.0	65.7	62.0
110°	0.0	32.8	65.7	62.0	58.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.2	58.4	58.4	58.4
115°	0.0	25.5	54.7	54.7	54.7
117.5°	0.0	21.9	47.4	54.7	54.7
120°	0.0	21.9	43.8	51.1	51.1
122.5°	0.0	18.2	40.1	51.1	51.1
125°	0.0	14.6	36.5	47.4	43.8
127.5°	0.0	10.9	32.8	40.1	40.1
130°	0.0	10.9	29.2	36.5	32.8
132.5°	0.0	7.3	25.5	29.2	29.2
135°	0.0	7.3	21.9	25.5	25.5
137.5°	0.0	7.3	18.2	21.9	18.2
140°	0.0	3.6	14.6	18.2	14.6
142.5°	0.0	3.6	14.6	18.2	14.6
145°	0.0	3.6	10.9	14.6	10.9
147.5°	0.0	3.6	7.3	10.9	10.9
150°	0.0	3.6	7.3	10.9	7.3
152.5°	0.0	3.6	7.3	7.3	3.6
155°	0.0	3.6	3.6	7.3	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)