

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: P218248

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-68SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6926.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

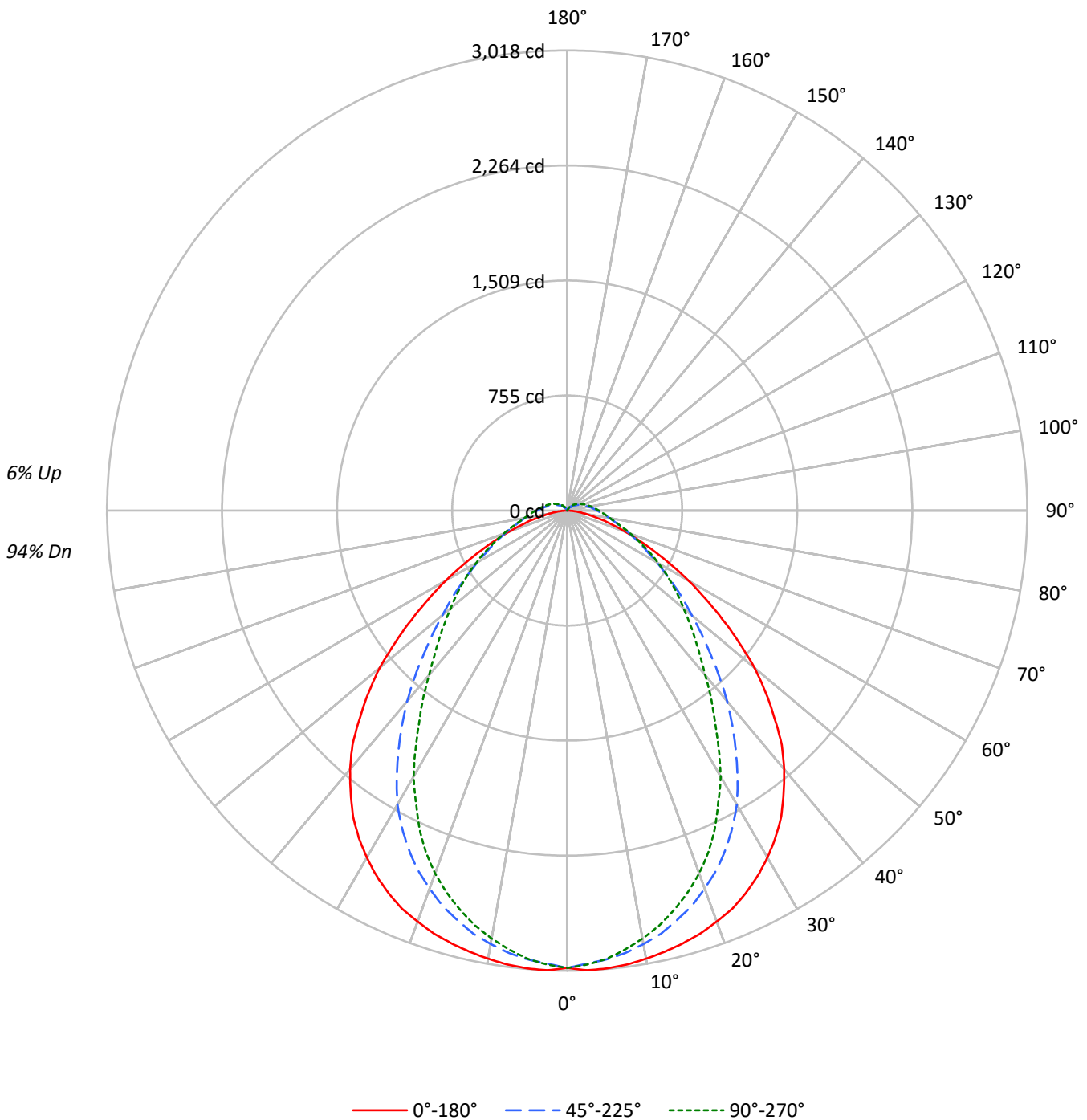
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24166	24166	24166
5°	24332	22485	21954
10°	24330	20948	19820
15°	24365	19433	17835
20°	24405	17913	15919
25°	24384	16333	13915
30°	24151	14616	11880
35°	23735	12611	9774
40°	22894	10684	8055
45°	21463	8789	6756
50°	19636	7179	5697
55°	16972	5931	4855
60°	14299	4860	4068
65°	11452	4041	3362
70°	9023	3400	2775
75°	6954	2890	2304
80°	4995	2559	1979
85°	3269	2333	1791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	4.1
10°-20°	791.4	11.4
20°-30°	1146.0	16.5
30°-40°	1247.3	18.0
40°-50°	1107.8	16.0
50°-60°	843.2	12.2
60°-70°	559.9	8.1
70°-80°	341.1	4.9
80°-90°	211.4	3.1
90°-100°	144.4	2.1
100°-110°	101.3	1.5
110°-120°	69.0	1.0
120°-130°	43.8	0.6
130°-140°	24.9	0.4
140°-150°	11.7	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2219.4	32.0
0°-40°	3466.8	50.1
0°-60°	5417.7	78.2
0°-90°	6530.1	94.3
90°-120°	314.7	4.5
90°-150°	395.1	5.7
90°-180°	396.0	5.7
0°-180°	6926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3000	3000	3000	3000	3000	
5°	3014	2996	2956	2970	2952	287
15°	2937	2886	2780	2748	2711	830
25°	2770	2646	2456	2357	2295	1275
35°	2448	2230	1930	1762	1690	1525
45°	1923	1635	1328	1215	1186	1481
55°	1244	1011	858	843	839	1116
65°	628	540	540	562	555	633
75°	241	274	343	361	350	260
85°	44	139	234	248	241	52
90°	0	102	197	215	208	3
95°	0	80	168	186	182	0
105°	0	51	120	139	139	0
115°	0	33	88	106	102	0
125°	0	22	58	73	73	0
135°	0	15	40	51	51	0
145°	0	7	22	29	29	0
155°	0	0	0	0	0	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°	2999.5	2999.5	2999.5	2999.5	2999.5
2.5°	3017.7	3003.1	2973.9	2992.2	2981.2
5°	3014.1	2995.8	2955.7	2970.3	2952.0
7.5°	3003.1	2981.2	2926.5	2933.8	2904.6
10°	2984.9	2955.7	2886.4	2879.1	2849.9
12.5°	2963.0	2926.5	2842.6	2817.0	2787.8
15°	2937.4	2886.4	2780.5	2747.7	2711.2
17.5°	2908.3	2838.9	2718.5	2667.4	2627.3
20°	2868.1	2784.2	2638.2	2576.2	2532.4
22.5°	2828.0	2718.5	2554.3	2470.4	2422.9
25°	2769.6	2645.5	2455.8	2357.3	2295.2
27.5°	2703.9	2561.6	2346.3	2218.6	2149.3
30°	2627.3	2463.1	2225.9	2076.3	2014.3
32.5°	2543.4	2353.6	2079.9	1919.4	1850.0
35°	2448.5	2229.5	1930.3	1762.5	1689.5
37.5°	2331.7	2094.5	1780.7	1609.2	1550.8
40°	2214.9	1952.2	1631.1	1470.5	1408.5
42.5°	2083.6	1795.3	1477.8	1331.9	1288.1
45°	1923.0	1634.8	1328.2	1215.1	1185.9
47.5°	1766.1	1470.5	1193.2	1112.9	1087.4
50°	1605.6	1310.0	1065.5	1014.4	996.2
52.5°	1419.5	1153.1	959.7	926.8	919.5
55°	1244.3	1010.8	857.5	842.9	839.3
57.5°	1076.5	875.8	762.6	773.6	766.3
60°	919.5	751.7	678.7	693.3	689.7
62.5°	766.3	638.6	602.1	631.3	624.0
65°	627.6	540.1	540.1	561.9	554.6
67.5°	507.2	459.8	481.7	503.6	496.3
70°	405.0	386.8	430.6	448.8	441.5
72.5°	313.8	324.8	379.5	401.4	390.4
75°	240.8	273.7	343.0	361.3	350.3
77.5°	171.5	229.9	310.2	324.8	313.8
80°	120.4	193.4	281.0	295.6	284.6
82.5°	76.6	164.2	255.4	270.0	262.7
85°	43.8	138.7	233.5	248.1	240.8
87.5°	21.9	120.4	211.6	229.9	222.6
90°	0.0	102.2	197.0	215.3	208.0
92.5°	0.0	91.2	182.5	200.7	193.4
95°	0.0	80.3	167.9	186.1	182.5
97.5°	0.0	73.0	156.9	175.2	167.9
100°	0.0	62.0	142.3	160.6	156.9
102.5°	0.0	58.4	131.4	149.6	146.0
105°	0.0	51.1	120.4	138.7	138.7
107.5°	0.0	47.4	113.1	131.4	127.7
110°	0.0	40.1	102.2	120.4	120.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.5	94.9	113.1	109.5
115°	0.0	32.8	87.6	105.8	102.2
117.5°	0.0	32.8	80.3	94.9	94.9
120°	0.0	29.2	73.0	87.6	87.6
122.5°	0.0	25.5	65.7	80.3	80.3
125°	0.0	21.9	58.4	73.0	73.0
127.5°	0.0	21.9	54.7	69.3	69.3
130°	0.0	18.2	47.4	62.0	62.0
132.5°	0.0	14.6	43.8	54.7	54.7
135°	0.0	14.6	40.1	51.1	51.1
137.5°	0.0	10.9	32.8	43.8	43.8
140°	0.0	10.9	29.2	40.1	40.1
142.5°	0.0	7.3	25.5	36.5	32.8
145°	0.0	7.3	21.9	29.2	29.2
147.5°	0.0	3.6	18.2	25.5	25.5
150°	0.0	3.6	14.6	21.9	18.2
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)