

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: P218127

Luminaire Tested: **8TSNLED-LD5-68SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218127
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6715.0 lumens
Efficiency: N/A
Efficacy: 135.1 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

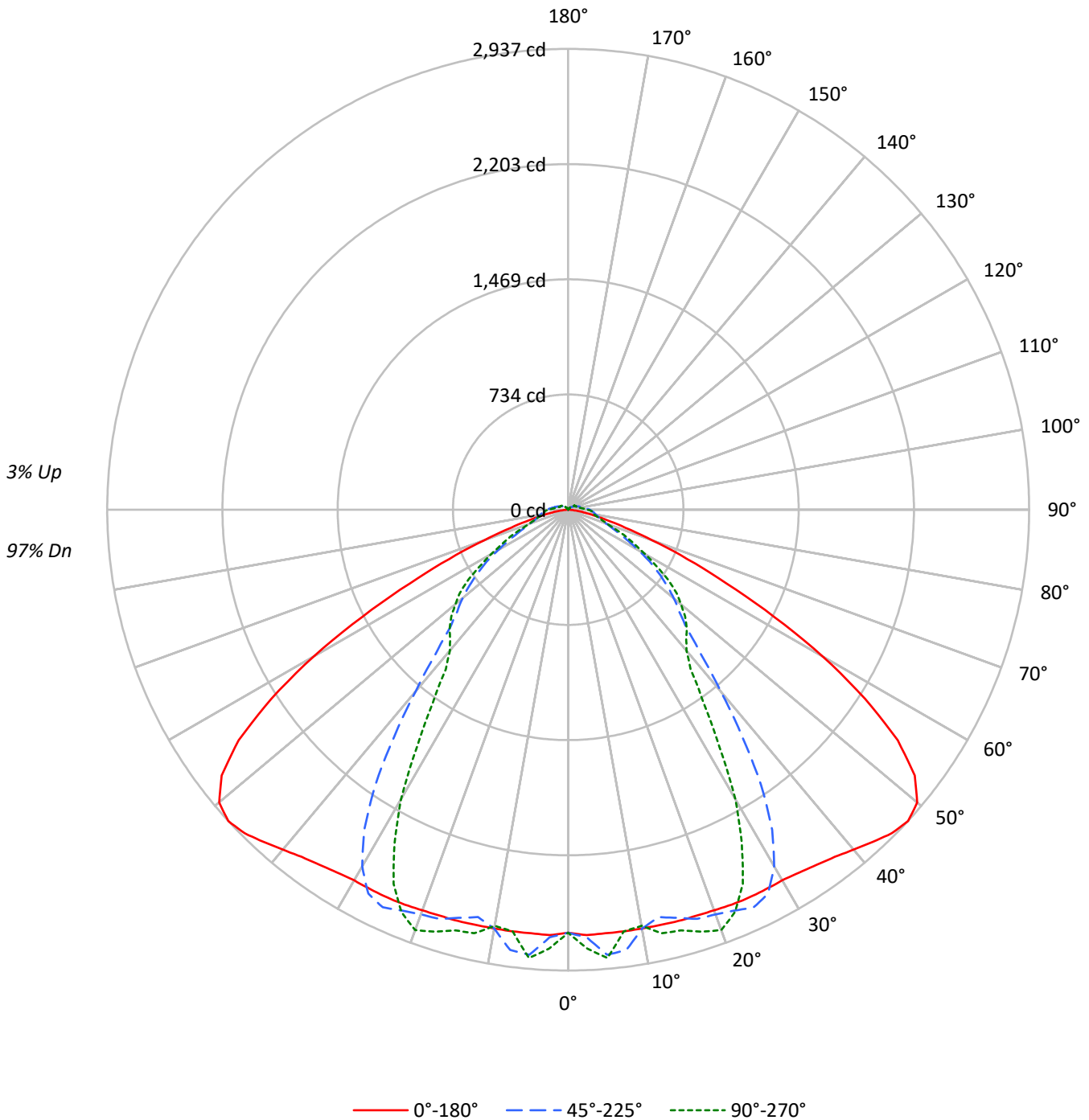
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	57	65	60	57	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°	21724	21724	21724
5°	21879	21662	21331
10°	22091	19669	18729
15°	22508	18822	18258
20°	23120	18635	17921
25°	24012	18597	15952
30°	25071	17232	12561
35°	26772	14003	8703
40°	29221	9900	6698
45°	32549	7046	6086
50°	35497	5925	5363
55°	34952	4870	4471
60°	29167	3689	3343
65°	20307	2673	2457
70°	12779	2034	1684
75°	7341	1737	1333
80°	4273	1627	1147
85°	2052	1579	1150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	3.9
10°-20°	780.6	11.6
20°-30°	1240.4	18.5
30°-40°	1337.5	19.9
40°-50°	1152.7	17.2
50°-60°	872.7	13.0
60°-70°	471.5	7.0
70°-80°	223.9	3.3
80°-90°	140.6	2.1
90°-100°	89.5	1.3
100°-110°	57.2	0.9
110°-120°	38.3	0.6
120°-130°	25.3	0.4
130°-140°	12.4	0.2
140°-150°	5.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2286.1	34.0
0°-40°	3623.6	54.0
0°-60°	5649.0	84.1
0°-90°	6485.0	96.6
90°-120°	185.0	2.8
90°-150°	228.0	3.4
90°-180°	230.0	3.4
0°-180°	6715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2696	2696	2696	2696	2696	
5°	2710	2769	2848	2885	2868	259
15°	2714	2786	2693	2786	2776	769
25°	2727	2676	2796	2720	2631	1262
35°	2762	2659	2143	1638	1504	1740
45°	2916	1827	1065	1054	1068	2245
55°	2562	790	704	769	773	2229
65°	1113	337	357	402	405	1143
75°	254	175	206	206	203	299
85°	28	106	158	158	155	40
90°	0	82	137	134	124	1
95°	0	65	110	100	93	0
105°	0	41	76	69	62	0
115°	0	24	52	52	52	0
125°	0	14	34	45	41	0
135°	0	7	21	24	24	0
145°	0	3	10	14	10	0
155°	0	3	3	7	3	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°	2696.4	2696.4	2696.4	2696.4	2696.4
2.5°	2713.6	2717.1	2727.4	2778.9	2799.5
5°	2710.2	2768.6	2847.6	2885.4	2868.2
7.5°	2710.2	2830.4	2830.4	2758.3	2710.2
10°	2710.2	2864.8	2710.2	2696.4	2693.0
12.5°	2710.2	2844.1	2658.7	2754.8	2765.1
15°	2713.6	2785.8	2693.0	2785.8	2775.5
17.5°	2713.6	2717.1	2734.2	2806.4	2820.1
20°	2717.1	2672.4	2744.5	2861.3	2851.0
22.5°	2723.9	2665.5	2765.1	2837.3	2775.5
25°	2727.4	2675.8	2796.1	2720.5	2631.2
27.5°	2727.4	2689.6	2758.3	2541.9	2394.2
30°	2727.4	2696.4	2624.3	2294.6	2129.7
32.5°	2741.1	2689.6	2418.2	1971.7	1793.1
35°	2761.7	2658.7	2143.4	1638.5	1504.5
37.5°	2789.2	2576.2	1820.5	1370.6	1281.2
40°	2827.0	2397.6	1511.4	1198.8	1171.3
42.5°	2871.6	2136.5	1257.2	1112.9	1112.9
45°	2916.3	1827.4	1064.8	1054.5	1068.3
47.5°	2936.9	1525.1	958.4	996.1	1009.9
50°	2902.5	1243.5	879.4	930.9	937.7
52.5°	2782.3	992.7	790.0	851.9	869.0
55°	2562.5	790.0	704.2	769.4	772.9
57.5°	2243.0	628.6	614.9	666.4	662.9
60°	1875.5	508.4	515.2	566.8	566.8
62.5°	1480.5	412.2	432.8	477.5	474.0
65°	1112.9	336.6	357.2	401.9	405.3
67.5°	821.0	278.2	302.3	333.2	326.3
70°	573.6	233.6	257.6	274.8	267.9
72.5°	381.3	199.2	226.7	233.6	230.1
75°	254.2	175.2	206.1	206.1	202.7
77.5°	164.9	154.6	192.4	188.9	182.1
80°	103.0	137.4	178.6	171.7	164.9
82.5°	61.8	120.2	168.3	161.4	154.6
85°	27.5	106.5	158.0	158.0	154.6
87.5°	10.3	96.2	147.7	151.1	144.3
90°	0.0	82.4	137.4	134.0	123.7
92.5°	0.0	75.6	123.7	113.4	106.5
95°	0.0	65.3	109.9	99.6	92.7
97.5°	0.0	58.4	99.6	89.3	82.4
100°	0.0	51.5	89.3	79.0	72.1
102.5°	0.0	44.7	82.4	72.1	68.7
105°	0.0	41.2	75.6	68.7	61.8
107.5°	0.0	37.8	68.7	61.8	58.4
110°	0.0	30.9	61.8	58.4	55.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.5	55.0	55.0	55.0
115°	0.0	24.0	51.5	51.5	51.5
117.5°	0.0	20.6	44.7	51.5	51.5
120°	0.0	20.6	41.2	48.1	48.1
122.5°	0.0	17.2	37.8	48.1	48.1
125°	0.0	13.7	34.3	44.7	41.2
127.5°	0.0	10.3	30.9	37.8	37.8
130°	0.0	10.3	27.5	34.3	30.9
132.5°	0.0	6.9	24.0	27.5	27.5
135°	0.0	6.9	20.6	24.0	24.0
137.5°	0.0	6.9	17.2	20.6	17.2
140°	0.0	3.4	13.7	17.2	13.7
142.5°	0.0	3.4	13.7	17.2	13.7
145°	0.0	3.4	10.3	13.7	10.3
147.5°	0.0	3.4	6.9	10.3	10.3
150°	0.0	3.4	6.9	10.3	6.9
152.5°	0.0	3.4	6.9	6.9	3.4
155°	0.0	3.4	3.4	6.9	3.4
157.5°	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	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)