

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: P218125

Luminaire Tested: **8TSNLED-LD5-60SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218125
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-LD5-60SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6527.0 lumens
Efficiency: N/A
Efficacy: 148.0 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

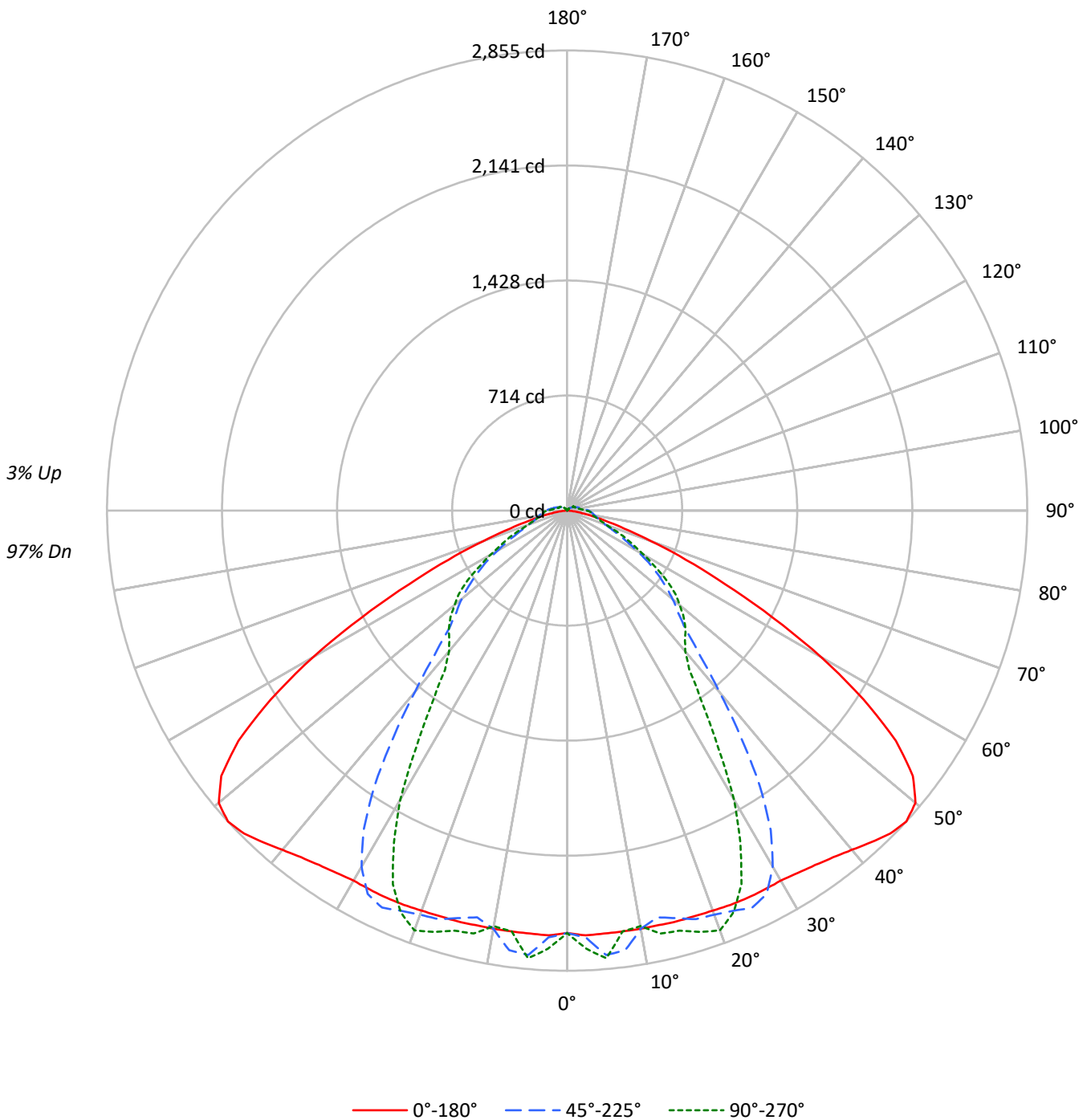
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21117	21117	21117
5°	21266	21056	20733
10°	21472	19118	18205
15°	21878	18295	17746
20°	22473	18113	17420
25°	23339	18076	15505
30°	24369	16750	12209
35°	26022	13611	8460
40°	28402	9623	6511
45°	31637	6849	5916
50°	34504	5759	5213
55°	33973	4734	4346
60°	28350	3586	3249
65°	19740	2598	2389
70°	12423	1977	1637
75°	7136	1688	1296
80°	4157	1581	1115
85°	1993	1535	1117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	3.9
10°-20°	758.8	11.6
20°-30°	1205.7	18.5
30°-40°	1300.0	19.9
40°-50°	1120.5	17.2
50°-60°	848.3	13.0
60°-70°	458.3	7.0
70°-80°	217.6	3.3
80°-90°	136.7	2.1
90°-100°	87.0	1.3
100°-110°	55.7	0.9
110°-120°	37.2	0.6
120°-130°	24.6	0.4
130°-140°	12.0	0.2
140°-150°	5.1	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2222.1	34.0
0°-40°	3522.1	54.0
0°-60°	5490.8	84.1
0°-90°	6303.4	96.6
90°-120°	179.9	2.8
90°-150°	221.6	3.4
90°-180°	224.0	3.4
0°-180°	6527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2621	2621	2621	2621	2621	
5°	2634	2691	2768	2805	2788	251
15°	2638	2708	2618	2708	2698	748
25°	2651	2601	2718	2644	2558	1226
35°	2684	2584	2083	1593	1462	1691
45°	2835	1776	1035	1025	1038	2182
55°	2491	768	684	748	751	2166
65°	1082	327	347	391	394	1111
75°	247	170	200	200	197	291
85°	27	104	154	154	150	39
90°	0	80	134	130	120	1
95°	0	63	107	97	90	0
105°	0	40	74	67	60	0
115°	0	23	50	50	50	0
125°	0	13	33	43	40	0
135°	0	7	20	23	23	0
145°	0	3	10	13	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°	2621.0	2621.0	2621.0	2621.0	2621.0
2.5°	2637.6	2641.0	2651.0	2701.1	2721.1
5°	2634.3	2691.1	2767.9	2804.6	2787.9
7.5°	2634.3	2751.2	2751.2	2681.1	2634.3
10°	2634.3	2784.6	2634.3	2621.0	2617.6
12.5°	2634.3	2764.5	2584.2	2677.7	2687.7
15°	2637.6	2707.8	2617.6	2707.8	2697.7
17.5°	2637.6	2641.0	2657.7	2727.8	2741.2
20°	2641.0	2597.6	2667.7	2781.2	2771.2
22.5°	2647.7	2590.9	2687.7	2757.8	2697.7
25°	2651.0	2600.9	2717.8	2644.3	2557.5
27.5°	2651.0	2614.3	2681.1	2470.7	2327.1
30°	2651.0	2621.0	2550.8	2230.3	2070.1
32.5°	2664.4	2614.3	2350.5	1916.5	1742.9
35°	2684.4	2584.2	2083.4	1592.6	1462.4
37.5°	2711.1	2504.1	1769.6	1332.2	1245.4
40°	2747.8	2330.5	1469.1	1165.2	1138.5
42.5°	2791.2	2076.7	1222.0	1081.8	1081.8
45°	2834.6	1776.2	1035.0	1025.0	1038.4
47.5°	2854.7	1482.4	931.5	968.3	981.6
50°	2821.3	1208.6	854.7	904.8	911.5
52.5°	2704.4	964.9	767.9	828.0	844.7
55°	2490.7	767.9	684.5	747.9	751.2
57.5°	2180.2	611.0	597.6	647.7	644.4
60°	1823.0	494.1	500.8	550.9	550.9
62.5°	1439.0	400.7	420.7	464.1	460.8
65°	1081.8	327.2	347.2	390.6	394.0
67.5°	798.0	270.4	293.8	323.9	317.2
70°	557.6	227.0	250.4	267.1	260.4
72.5°	370.6	193.7	220.4	227.0	223.7
75°	247.1	170.3	200.3	200.3	197.0
77.5°	160.3	150.2	187.0	183.6	177.0
80°	100.2	133.6	173.6	166.9	160.3
82.5°	60.1	116.9	163.6	156.9	150.2
85°	26.7	103.5	153.6	153.6	150.2
87.5°	10.0	93.5	143.6	146.9	140.2
90°	0.0	80.1	133.6	130.2	120.2
92.5°	0.0	73.5	120.2	110.2	103.5
95°	0.0	63.4	106.8	96.8	90.1
97.5°	0.0	56.8	96.8	86.8	80.1
100°	0.0	50.1	86.8	76.8	70.1
102.5°	0.0	43.4	80.1	70.1	66.8
105°	0.0	40.1	73.5	66.8	60.1
107.5°	0.0	36.7	66.8	60.1	56.8
110°	0.0	30.0	60.1	56.8	53.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.7	53.4	53.4	53.4
115°	0.0	23.4	50.1	50.1	50.1
117.5°	0.0	20.0	43.4	50.1	50.1
120°	0.0	20.0	40.1	46.7	46.7
122.5°	0.0	16.7	36.7	46.7	46.7
125°	0.0	13.4	33.4	43.4	40.1
127.5°	0.0	10.0	30.0	36.7	36.7
130°	0.0	10.0	26.7	33.4	30.0
132.5°	0.0	6.7	23.4	26.7	26.7
135°	0.0	6.7	20.0	23.4	23.4
137.5°	0.0	6.7	16.7	20.0	16.7
140°	0.0	3.3	13.4	16.7	13.4
142.5°	0.0	3.3	13.4	16.7	13.4
145°	0.0	3.3	10.0	13.4	10.0
147.5°	0.0	3.3	6.7	10.0	10.0
150°	0.0	3.3	6.7	10.0	6.7
152.5°	0.0	3.3	6.7	6.7	3.3
155°	0.0	3.3	3.3	6.7	3.3
157.5°	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	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)