

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: P218126

Luminaire Tested: **8TSNLED-LD5-60SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218126
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7060.0 lumens
Efficiency: N/A
Efficacy: 160.1 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

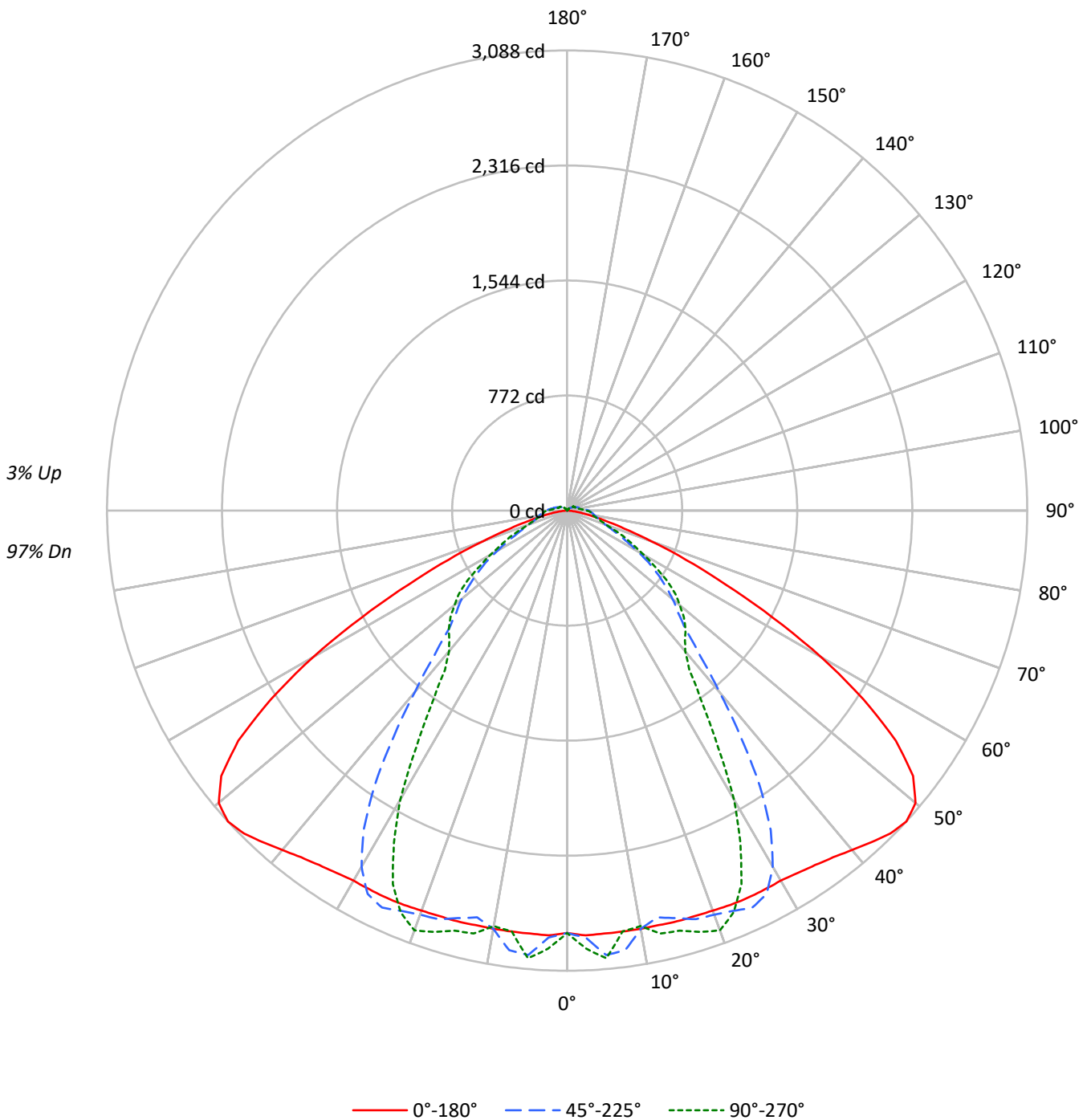
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	22841	22841	22841
5°	23003	22775	22427
10°	23226	20679	19692
15°	23665	19789	19196
20°	24308	19592	18842
25°	25246	19552	16772
30°	26359	18118	13206
35°	28147	14723	9151
40°	30722	10408	7043
45°	34221	7408	6399
50°	37322	6229	5638
55°	36748	5120	4701
60°	30664	3879	3515
65°	21351	2810	2584
70°	13436	2139	1771
75°	7717	1826	1402
80°	4493	1711	1205
85°	2157	1660	1209



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	3.9
10°-20°	820.7	11.6
20°-30°	1304.2	18.5
30°-40°	1406.2	19.9
40°-50°	1212.0	17.2
50°-60°	917.5	13.0
60°-70°	495.7	7.0
70°-80°	235.4	3.3
80°-90°	147.8	2.1
90°-100°	94.1	1.3
100°-110°	60.2	0.9
110°-120°	40.3	0.6
120°-130°	26.6	0.4
130°-140°	13.0	0.2
140°-150°	5.5	0.1
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2403.5	34.0
0°-40°	3809.7	54.0
0°-60°	5939.2	84.1
0°-90°	6818.2	96.6
90°-120°	194.6	2.8
90°-150°	239.7	3.4
90°-180°	242.0	3.4
0°-180°	7060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2835	2835	2835	2835	2835	
5°	2849	2911	2994	3034	3016	272
15°	2853	2929	2831	2929	2918	809
25°	2868	2813	2940	2860	2766	1326
35°	2904	2795	2254	1723	1582	1829
45°	3066	1921	1120	1109	1123	2360
55°	2694	831	740	809	813	2343
65°	1170	354	376	422	426	1202
75°	267	184	217	217	213	315
85°	29	112	166	166	162	42
90°	0	87	144	141	130	1
95°	0	69	116	105	98	0
105°	0	43	80	72	65	0
115°	0	25	54	54	54	0
125°	0	14	36	47	43	0
135°	0	7	22	25	25	0
145°	0	4	11	14	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°	2835.0	2835.0	2835.0	2835.0	2835.0
2.5°	2853.0	2856.7	2867.5	2921.7	2943.3
5°	2849.4	2910.8	2993.9	3033.6	3015.6
7.5°	2849.4	2975.8	2975.8	2900.0	2849.4
10°	2849.4	3011.9	2849.4	2835.0	2831.4
12.5°	2849.4	2990.3	2795.3	2896.4	2907.2
15°	2853.0	2928.9	2831.4	2928.9	2918.0
17.5°	2853.0	2856.7	2874.7	2950.5	2965.0
20°	2856.7	2809.7	2885.5	3008.3	2997.5
22.5°	2863.9	2802.5	2907.2	2983.1	2918.0
25°	2867.5	2813.3	2939.7	2860.3	2766.4
27.5°	2867.5	2827.8	2900.0	2672.5	2517.2
30°	2867.5	2835.0	2759.1	2412.4	2239.1
32.5°	2881.9	2827.8	2542.5	2073.0	1885.2
35°	2903.6	2795.3	2253.5	1722.7	1581.8
37.5°	2932.5	2708.6	1914.1	1441.0	1347.1
40°	2972.2	2520.8	1589.0	1260.4	1231.5
42.5°	3019.2	2246.3	1321.8	1170.1	1170.1
45°	3066.1	1921.3	1119.5	1108.7	1123.2
47.5°	3087.8	1603.5	1007.6	1047.3	1061.8
50°	3051.7	1307.3	924.5	978.7	985.9
52.5°	2925.3	1043.7	830.6	895.6	913.7
55°	2694.1	830.6	740.3	809.0	812.6
57.5°	2358.3	660.9	646.4	700.6	697.0
60°	1971.8	534.5	541.7	595.9	595.9
62.5°	1556.5	433.4	455.0	502.0	498.4
65°	1170.1	353.9	375.6	422.5	426.2
67.5°	863.1	292.5	317.8	350.3	343.1
70°	603.1	245.6	270.9	288.9	281.7
72.5°	400.9	209.5	238.4	245.6	242.0
75°	267.2	184.2	216.7	216.7	213.1
77.5°	173.3	162.5	202.2	198.6	191.4
80°	108.3	144.5	187.8	180.6	173.3
82.5°	65.0	126.4	177.0	169.7	162.5
85°	28.9	112.0	166.1	166.1	162.5
87.5°	10.8	101.1	155.3	158.9	151.7
90°	0.0	86.7	144.5	140.8	130.0
92.5°	0.0	79.5	130.0	119.2	112.0
95°	0.0	68.6	115.6	104.7	97.5
97.5°	0.0	61.4	104.7	93.9	86.7
100°	0.0	54.2	93.9	83.1	75.8
102.5°	0.0	46.9	86.7	75.8	72.2
105°	0.0	43.3	79.5	72.2	65.0
107.5°	0.0	39.7	72.2	65.0	61.4
110°	0.0	32.5	65.0	61.4	57.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.9	57.8	57.8	57.8
115°	0.0	25.3	54.2	54.2	54.2
117.5°	0.0	21.7	46.9	54.2	54.2
120°	0.0	21.7	43.3	50.6	50.6
122.5°	0.0	18.1	39.7	50.6	50.6
125°	0.0	14.4	36.1	46.9	43.3
127.5°	0.0	10.8	32.5	39.7	39.7
130°	0.0	10.8	28.9	36.1	32.5
132.5°	0.0	7.2	25.3	28.9	28.9
135°	0.0	7.2	21.7	25.3	25.3
137.5°	0.0	7.2	18.1	21.7	18.1
140°	0.0	3.6	14.4	18.1	14.4
142.5°	0.0	3.6	14.4	18.1	14.4
145°	0.0	3.6	10.8	14.4	10.8
147.5°	0.0	3.6	7.2	10.8	10.8
150°	0.0	3.6	7.2	10.8	7.2
152.5°	0.0	3.6	7.2	7.2	3.6
155°	0.0	3.6	3.6	7.2	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)