

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: P218250

Luminaire Tested: **8TSNLED-LD5-68SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218250
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7642.0 lumens
Efficiency: N/A
Efficacy: 153.7 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

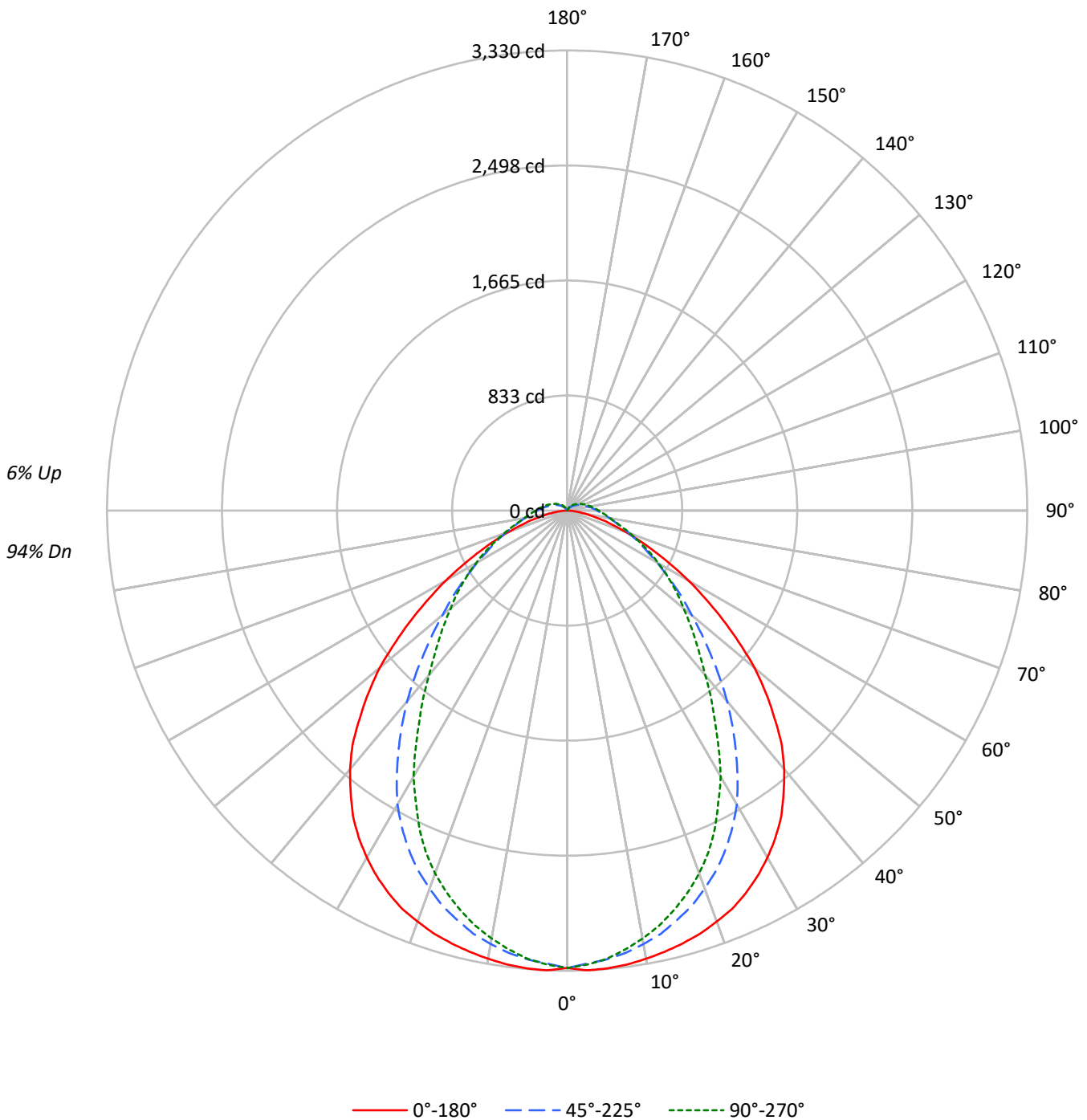
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	26665	26665	26665
5°	26848	24808	24224
10°	26846	23113	21869
15°	26884	21443	19679
20°	26928	19765	17564
25°	26904	18022	15354
30°	26648	16127	13108
35°	26189	13915	10784
40°	25261	11788	8888
45°	23682	9698	7455
50°	21665	7922	6286
55°	18726	6544	5357
60°	15778	5363	4488
65°	12636	4458	3710
70°	9956	3751	3063
75°	7673	3190	2543
80°	5513	2824	2184
85°	3605	2575	1976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.1	4.1
10°-20°	873.2	11.4
20°-30°	1264.5	16.5
30°-40°	1376.3	18.0
40°-50°	1222.3	16.0
50°-60°	930.4	12.2
60°-70°	617.7	8.1
70°-80°	376.4	4.9
80°-90°	233.2	3.1
90°-100°	159.3	2.1
100°-110°	111.8	1.5
110°-120°	76.2	1.0
120°-130°	48.3	0.6
130°-140°	27.5	0.4
140°-150°	12.9	0.2
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2448.9	32.0
0°-40°	3825.2	50.1
0°-60°	5977.8	78.2
0°-90°	7205.2	94.3
90°-120°	347.2	4.5
90°-150°	435.9	5.7
90°-180°	437.0	5.7
0°-180°	7642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3310	3310	3310	3310	3310	
5°	3326	3306	3261	3277	3257	316
15°	3241	3185	3068	3032	2992	916
25°	3056	2919	2710	2601	2532	1407
35°	2702	2460	2130	1945	1864	1683
45°	2122	1804	1466	1341	1308	1634
55°	1373	1115	946	930	926	1232
65°	692	596	596	620	612	698
75°	266	302	378	399	386	287
85°	48	153	258	274	266	57
90°	0	113	217	238	230	3
95°	0	89	185	205	201	0
105°	0	56	133	153	153	0
115°	0	36	97	117	113	0
125°	0	24	64	80	80	0
135°	0	16	44	56	56	0
145°	0	8	24	32	32	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°	3309.6	3309.6	3309.6	3309.6	3309.6
2.5°	3329.7	3313.6	3281.4	3301.5	3289.4
5°	3325.7	3305.5	3261.2	3277.4	3257.2
7.5°	3313.6	3289.4	3229.0	3237.1	3204.9
10°	3293.5	3261.2	3184.8	3176.7	3144.5
12.5°	3269.3	3229.0	3136.4	3108.3	3076.0
15°	3241.1	3184.8	3068.0	3031.8	2991.5
17.5°	3208.9	3132.4	2999.5	2943.2	2898.9
20°	3164.6	3072.0	2911.0	2842.5	2794.2
22.5°	3120.3	2999.5	2818.4	2725.8	2673.4
25°	3055.9	2919.0	2709.7	2600.9	2532.5
27.5°	2983.4	2826.4	2588.9	2448.0	2371.5
30°	2898.9	2717.7	2456.0	2290.9	2222.5
32.5°	2806.3	2596.9	2295.0	2117.8	2041.3
35°	2701.6	2460.0	2129.9	1944.7	1864.1
37.5°	2572.8	2311.1	1964.8	1775.6	1711.1
40°	2443.9	2154.0	1799.7	1622.6	1554.1
42.5°	2299.0	1980.9	1630.6	1469.6	1421.3
45°	2121.8	1803.8	1465.5	1340.7	1308.5
47.5°	1948.7	1622.6	1316.6	1228.0	1199.8
50°	1771.5	1445.4	1175.7	1119.3	1099.2
52.5°	1566.2	1272.3	1058.9	1022.7	1014.6
55°	1372.9	1115.3	946.2	930.1	926.0
57.5°	1187.7	966.3	841.5	853.6	845.5
60°	1014.6	829.4	748.9	765.0	761.0
62.5°	845.5	704.6	664.3	696.5	688.5
65°	692.5	595.9	595.9	620.0	612.0
67.5°	559.6	507.3	531.5	555.6	547.6
70°	446.9	426.8	475.1	495.2	487.2
72.5°	346.3	358.3	418.7	442.9	430.8
75°	265.7	302.0	378.5	398.6	386.5
77.5°	189.2	253.7	342.2	358.3	346.3
80°	132.9	213.4	310.0	326.1	314.0
82.5°	84.6	181.2	281.8	297.9	289.9
85°	48.3	153.0	257.7	273.8	265.7
87.5°	24.2	132.9	233.5	253.7	245.6
90°	0.0	112.7	217.4	237.5	229.5
92.5°	0.0	100.7	201.3	221.4	213.4
95°	0.0	88.6	185.2	205.3	201.3
97.5°	0.0	80.5	173.1	193.3	185.2
100°	0.0	68.4	157.0	177.2	173.1
102.5°	0.0	64.4	144.9	165.1	161.0
105°	0.0	56.4	132.9	153.0	153.0
107.5°	0.0	52.3	124.8	144.9	140.9
110°	0.0	44.3	112.7	132.9	132.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.3	104.7	124.8	120.8
115°	0.0	36.2	96.6	116.8	112.7
117.5°	0.0	36.2	88.6	104.7	104.7
120°	0.0	32.2	80.5	96.6	96.6
122.5°	0.0	28.2	72.5	88.6	88.6
125°	0.0	24.2	64.4	80.5	80.5
127.5°	0.0	24.2	60.4	76.5	76.5
130°	0.0	20.1	52.3	68.4	68.4
132.5°	0.0	16.1	48.3	60.4	60.4
135°	0.0	16.1	44.3	56.4	56.4
137.5°	0.0	12.1	36.2	48.3	48.3
140°	0.0	12.1	32.2	44.3	44.3
142.5°	0.0	8.1	28.2	40.3	36.2
145°	0.0	8.1	24.2	32.2	32.2
147.5°	0.0	4.0	20.1	28.2	28.2
150°	0.0	4.0	16.1	24.2	20.1
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)