

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: P218247

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218247  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6520.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

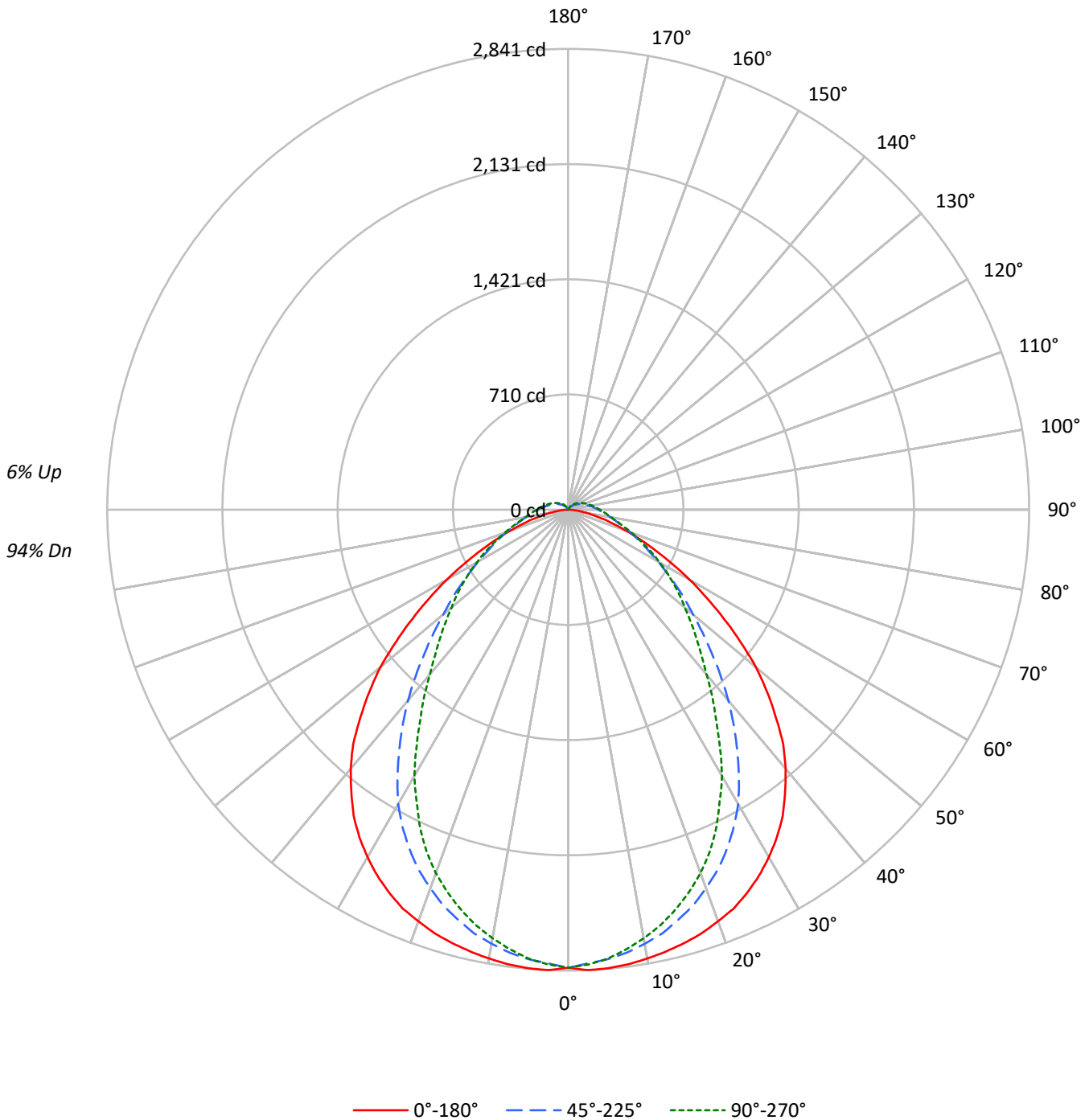
Input Watts (W): 49.72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22750	22750	22750
5°	22906	21166	20667
10°	22904	19720	18658
15°	22937	18294	16790
20°	22975	16863	14986
25°	22954	15376	13100
30°	22736	13759	11184
35°	22344	11872	9201
40°	21552	10058	7583
45°	20205	8274	6360
50°	18484	6758	5363
55°	15978	5583	4571
60°	13461	4575	3829
65°	10780	3804	3165
70°	8495	3200	2612
75°	6547	2721	2170
80°	4705	2409	1863
85°	3075	2196	1686



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.5	4.1
10°-20°	745.0	11.4
20°-30°	1078.9	16.5
30°-40°	1174.2	18.0
40°-50°	1042.8	16.0
50°-60°	793.8	12.2
60°-70°	527.0	8.1
70°-80°	321.1	4.9
80°-90°	199.0	3.1
90°-100°	135.9	2.1
100°-110°	95.4	1.5
110°-120°	65.0	1.0
120°-130°	41.2	0.6
130°-140°	23.4	0.4
140°-150°	11.0	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2089.3	32.0
0°-40°	3263.5	50.1
0°-60°	5100.1	78.2
0°-90°	6147.3	94.3
90°-120°	296.3	4.5
90°-150°	371.9	5.7
90°-180°	373.0	5.7
0°-180°	6520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2824	2824	2824	2824	2824	
5°	2837	2820	2782	2796	2779	270
15°	2765	2717	2618	2587	2552	781
25°	2607	2490	2312	2219	2161	1201
35°	2305	2099	1817	1659	1590	1436
45°	1810	1539	1250	1144	1116	1394
55°	1171	952	807	794	790	1051
65°	591	508	508	529	522	596
75°	227	258	323	340	330	245
85°	41	130	220	234	227	49
90°	0	96	186	203	196	3
95°	0	76	158	175	172	0
105°	0	48	113	130	130	0
115°	0	31	82	100	96	0
125°	0	21	55	69	69	0
135°	0	14	38	48	48	0
145°	0	7	21	28	28	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°	2823.7	2823.7	2823.7	2823.7	2823.7
2.5°	2840.8	2827.1	2799.6	2816.8	2806.5
5°	2837.4	2820.2	2782.4	2796.2	2779.0
7.5°	2827.1	2806.5	2755.0	2761.8	2734.3
10°	2809.9	2782.4	2717.2	2710.3	2682.8
12.5°	2789.3	2755.0	2675.9	2651.9	2624.4
15°	2765.3	2717.2	2617.5	2586.6	2552.3
17.5°	2737.8	2672.5	2559.2	2511.1	2473.3
20°	2700.0	2621.0	2483.6	2425.2	2384.0
22.5°	2662.2	2559.2	2404.6	2325.6	2280.9
25°	2607.2	2490.4	2311.8	2219.1	2160.7
27.5°	2545.4	2411.4	2208.8	2088.5	2023.3
30°	2473.3	2318.7	2095.4	1954.6	1896.2
32.5°	2394.3	2215.6	1958.0	1806.9	1741.6
35°	2305.0	2098.8	1817.2	1659.2	1590.5
37.5°	2195.0	1971.7	1676.3	1514.9	1459.9
40°	2085.1	1837.8	1535.5	1384.3	1325.9
42.5°	1961.4	1690.1	1391.2	1253.8	1212.6
45°	1810.3	1538.9	1250.4	1143.9	1116.4
47.5°	1662.6	1384.3	1123.3	1047.7	1023.7
50°	1511.4	1233.2	1003.0	955.0	937.8
52.5°	1336.3	1085.5	903.4	872.5	865.6
55°	1171.4	951.5	807.2	793.5	790.1
57.5°	1013.4	824.4	717.9	728.2	721.4
60°	865.6	707.6	638.9	652.7	649.2
62.5°	721.4	601.1	566.8	594.3	587.4
65°	590.8	508.4	508.4	529.0	522.1
67.5°	477.5	432.8	453.4	474.0	467.2
70°	381.3	364.1	405.3	422.5	415.6
72.5°	295.4	305.7	357.3	377.9	367.6
75°	226.7	257.6	322.9	340.1	329.8
77.5°	161.4	216.4	292.0	305.7	295.4
80°	113.4	182.1	264.5	278.2	267.9
82.5°	72.1	154.6	240.5	254.2	247.3
85°	41.2	130.5	219.8	233.6	226.7
87.5°	20.6	113.4	199.2	216.4	209.5
90°	0.0	96.2	185.5	202.7	195.8
92.5°	0.0	85.9	171.8	188.9	182.1
95°	0.0	75.6	158.0	175.2	171.8
97.5°	0.0	68.7	147.7	164.9	158.0
100°	0.0	58.4	134.0	151.1	147.7
102.5°	0.0	55.0	123.7	140.8	137.4
105°	0.0	48.1	113.4	130.5	130.5
107.5°	0.0	44.7	106.5	123.7	120.2
110°	0.0	37.8	96.2	113.4	113.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.4	89.3	106.5	103.1
115°	0.0	30.9	82.4	99.6	96.2
117.5°	0.0	30.9	75.6	89.3	89.3
120°	0.0	27.5	68.7	82.4	82.4
122.5°	0.0	24.0	61.8	75.6	75.6
125°	0.0	20.6	55.0	68.7	68.7
127.5°	0.0	20.6	51.5	65.3	65.3
130°	0.0	17.2	44.7	58.4	58.4
132.5°	0.0	13.7	41.2	51.5	51.5
135°	0.0	13.7	37.8	48.1	48.1
137.5°	0.0	10.3	30.9	41.2	41.2
140°	0.0	10.3	27.5	37.8	37.8
142.5°	0.0	6.9	24.0	34.4	30.9
145°	0.0	6.9	20.6	27.5	27.5
147.5°	0.0	3.4	17.2	24.0	24.0
150°	0.0	3.4	13.7	20.6	17.2
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)