

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: P218244

Luminaire Tested: **8TSNLED-LD5-60SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218244  
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-LD5-60SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6212.0 lumens  
Efficiency: N/A  
Efficacy: 140.9 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

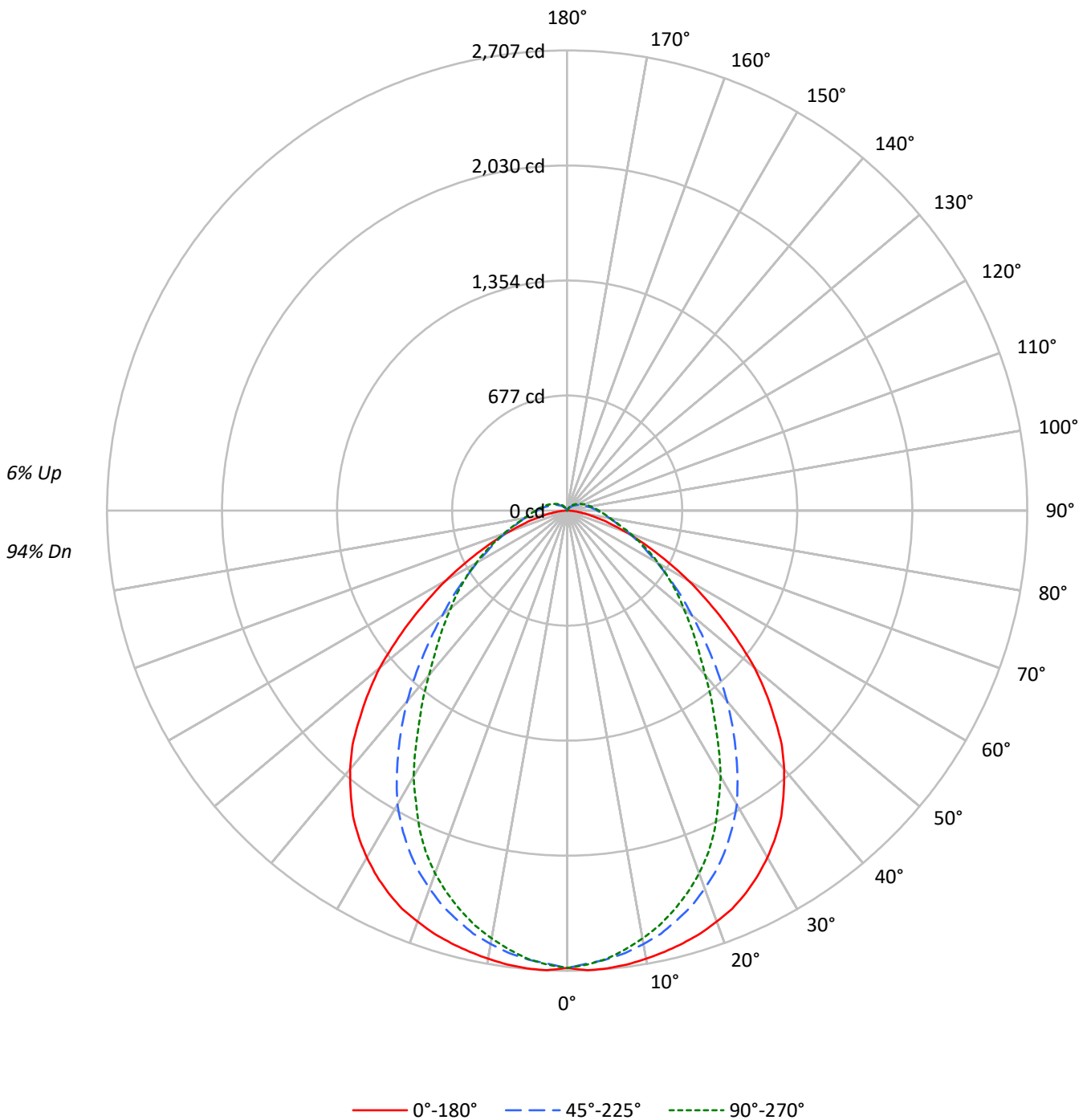
Input Watts (W): 44.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	21675	21675	21675
5°	21824	20167	19691
10°	21822	18788	17777
15°	21853	17430	15997
20°	21889	16067	14277
25°	21870	14649	12481
30°	21661	13109	10655
35°	21289	11311	8766
40°	20534	9583	7225
45°	19251	7883	6060
50°	17611	6439	5110
55°	15222	5319	4355
60°	12827	4359	3649
65°	10271	3624	3016
70°	8094	3049	2489
75°	6238	2592	2067
80°	4480	2295	1776
85°	2933	2093	1606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.9	4.1
10°-20°	709.8	11.4
20°-30°	1027.9	16.5
30°-40°	1118.7	18.0
40°-50°	993.6	16.0
50°-60°	756.3	12.2
60°-70°	502.1	8.1
70°-80°	306.0	4.9
80°-90°	189.6	3.1
90°-100°	129.5	2.1
100°-110°	90.9	1.5
110°-120°	61.9	1.0
120°-130°	39.3	0.6
130°-140°	22.3	0.4
140°-150°	10.5	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1990.6	32.0
0°-40°	3109.4	50.1
0°-60°	4859.2	78.2
0°-90°	5856.9	94.3
90°-120°	282.3	4.5
90°-150°	354.3	5.7
90°-180°	355.0	5.7
0°-180°	6212.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2690	2690	2690	2690	2690	
5°	2703	2687	2651	2664	2648	257
15°	2635	2589	2494	2464	2432	744
25°	2484	2373	2203	2114	2059	1144
35°	2196	2000	1731	1581	1515	1368
45°	1725	1466	1191	1090	1064	1328
55°	1116	907	769	756	753	1001
65°	563	484	484	504	498	568
75°	216	246	308	324	314	234
85°	39	124	210	223	216	47
90°	0	92	177	193	187	3
95°	0	72	151	167	164	0
105°	0	46	108	124	124	0
115°	0	30	78	95	92	0
125°	0	20	52	66	66	0
135°	0	13	36	46	46	0
145°	0	6	20	26	26	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°	2690.3	2690.3	2690.3	2690.3	2690.3
2.5°	2706.6	2693.5	2667.4	2683.7	2673.9
5°	2703.4	2687.0	2651.0	2664.1	2647.7
7.5°	2693.5	2673.9	2624.8	2631.4	2605.2
10°	2677.2	2651.0	2588.8	2582.3	2556.1
12.5°	2657.5	2624.8	2549.5	2526.6	2500.4
15°	2634.6	2588.8	2493.9	2464.4	2431.7
17.5°	2608.4	2546.3	2438.3	2392.4	2356.4
20°	2572.4	2497.2	2366.3	2310.6	2271.3
22.5°	2536.4	2438.3	2291.0	2215.7	2173.2
25°	2484.1	2372.8	2202.6	2114.2	2058.6
27.5°	2425.2	2297.5	2104.4	1989.9	1927.7
30°	2356.4	2209.2	1996.4	1862.2	1806.6
32.5°	2281.2	2111.0	1865.5	1721.5	1659.3
35°	2196.1	1999.7	1731.3	1580.8	1515.3
37.5°	2091.3	1878.6	1597.1	1443.3	1391.0
40°	1986.6	1751.0	1463.0	1319.0	1263.3
42.5°	1868.8	1610.2	1325.5	1194.6	1155.3
45°	1724.8	1466.2	1191.3	1089.9	1063.7
47.5°	1584.0	1319.0	1070.2	998.2	975.3
50°	1440.0	1174.9	955.7	909.8	893.5
52.5°	1273.1	1034.2	860.8	831.3	824.8
55°	1116.0	906.6	769.1	756.0	752.8
57.5°	965.5	785.5	684.0	693.8	687.3
60°	824.8	674.2	608.7	621.8	618.6
62.5°	687.3	572.7	540.0	566.2	559.7
65°	562.9	484.4	484.4	504.0	497.5
67.5°	454.9	412.4	432.0	451.7	445.1
70°	363.3	346.9	386.2	402.6	396.0
72.5°	281.5	291.3	340.4	360.0	350.2
75°	216.0	245.5	307.6	324.0	314.2
77.5°	153.8	206.2	278.2	291.3	281.5
80°	108.0	173.5	252.0	265.1	255.3
82.5°	68.7	147.3	229.1	242.2	235.6
85°	39.3	124.4	209.5	222.6	216.0
87.5°	19.6	108.0	189.8	206.2	199.6
90°	0.0	91.6	176.7	193.1	186.6
92.5°	0.0	81.8	163.6	180.0	173.5
95°	0.0	72.0	150.6	166.9	163.6
97.5°	0.0	65.5	140.7	157.1	150.6
100°	0.0	55.6	127.6	144.0	140.7
102.5°	0.0	52.4	117.8	134.2	130.9
105°	0.0	45.8	108.0	124.4	124.4
107.5°	0.0	42.5	101.5	117.8	114.5
110°	0.0	36.0	91.6	108.0	108.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.7	85.1	101.5	98.2
115°	0.0	29.5	78.5	94.9	91.6
117.5°	0.0	29.5	72.0	85.1	85.1
120°	0.0	26.2	65.5	78.5	78.5
122.5°	0.0	22.9	58.9	72.0	72.0
125°	0.0	19.6	52.4	65.5	65.5
127.5°	0.0	19.6	49.1	62.2	62.2
130°	0.0	16.4	42.5	55.6	55.6
132.5°	0.0	13.1	39.3	49.1	49.1
135°	0.0	13.1	36.0	45.8	45.8
137.5°	0.0	9.8	29.5	39.3	39.3
140°	0.0	9.8	26.2	36.0	36.0
142.5°	0.0	6.5	22.9	32.7	29.5
145°	0.0	6.5	19.6	26.2	26.2
147.5°	0.0	3.3	16.4	22.9	22.9
150°	0.0	3.3	13.1	19.6	16.4
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)