

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: P218368

Luminaire Tested: **8TSNLED-LD5-61SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-61SL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6371.0 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

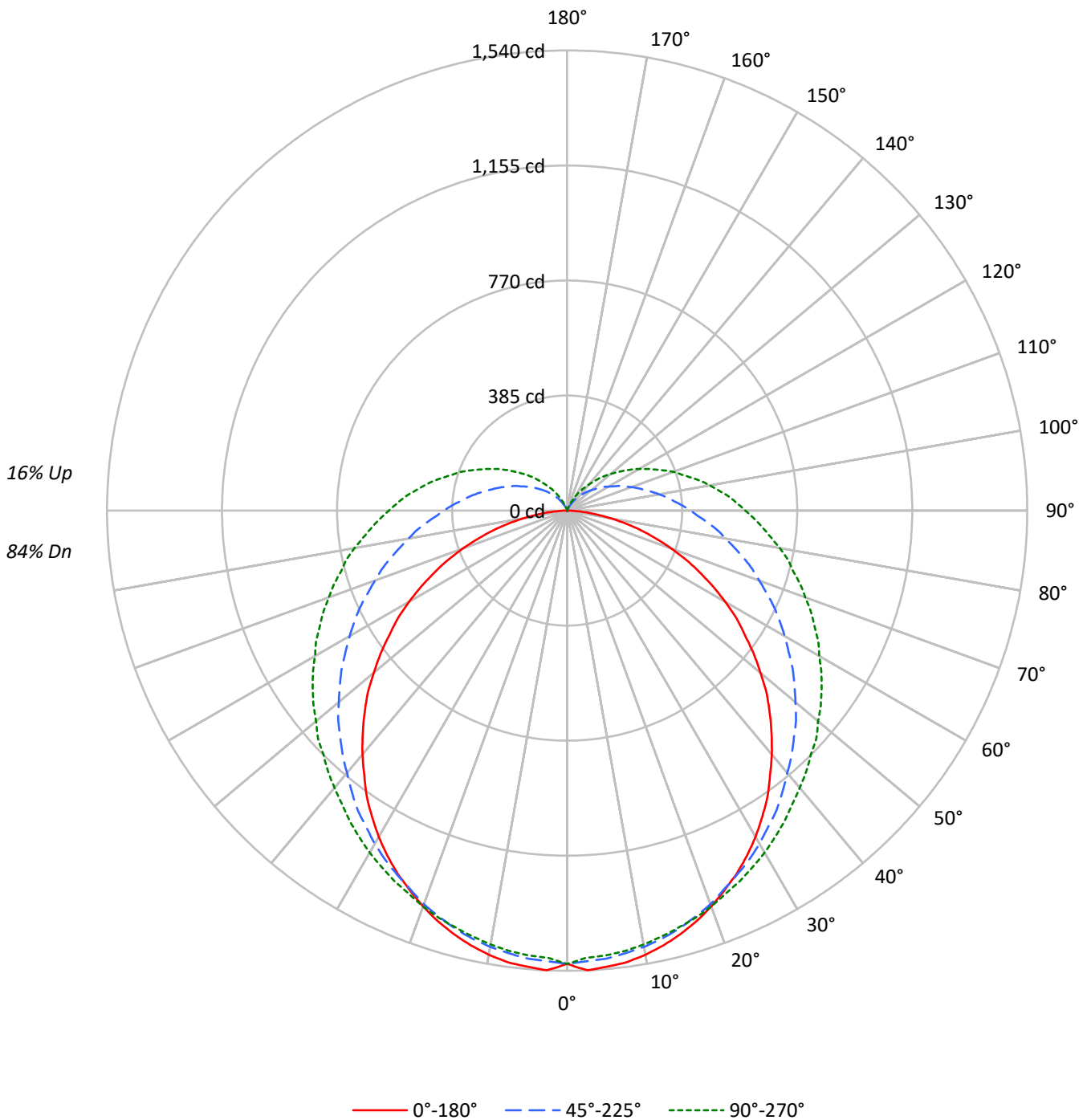
Input Watts (W): 49.72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

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

	0°	45°	90°
0°	12221	12221	12221
5°	12369	11452	11111
10°	12302	10759	10258
15°	12170	10121	9501
20°	11997	9522	8863
25°	11807	8945	8293
30°	11591	8455	7797
35°	11334	7988	7338
40°	11019	7508	6927
45°	10703	7105	6574
50°	10327	6719	6271
55°	9903	6369	6012
60°	9507	6019	5746
65°	8925	5718	5536
70°	8257	5400	5332
75°	7393	5151	5153
80°	6024	4907	5022
85°	4277	4735	4888



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.6	2.3
10°-20°	410.8	6.4
20°-30°	624.4	9.8
30°-40°	764.2	12.0
40°-50°	825.0	12.9
50°-60°	810.0	12.7
60°-70°	729.5	11.5
70°-80°	604.1	9.5
80°-90°	464.6	7.3
90°-100°	350.2	5.5
100°-110°	257.7	4.0
110°-120°	177.8	2.8
120°-130°	112.7	1.8
130°-140°	62.4	1.0
140°-150°	27.0	0.4
150°-160°	6.7	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1178.8	18.5
0°-40°	1943.0	30.5
0°-60°	3578.0	56.2
0°-90°	5376.1	84.4
90°-120°	785.7	12.3
90°-150°	987.9	15.5
90°-180°	995.0	15.6
0°-180°	6371.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1532	1524	1505	1505	1494	146
15°	1467	1463	1448	1456	1444	414
25°	1341	1341	1345	1372	1368	618
35°	1169	1181	1223	1261	1268	730
45°	959	1001	1074	1139	1154	740
55°	726	806	921	1012	1039	651
65°	489	600	764	879	913	485
75°	256	409	611	741	783	271
85°	57	252	474	615	657	65
90°	0	195	413	554	596	3
95°	4	153	359	497	543	1
105°	0	96	268	390	428	0
115°	0	61	195	294	325	0
125°	0	38	134	210	233	0
135°	0	23	84	138	153	0
145°	0	8	42	76	84	0
155°	0	4	12	23	27	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°	1516.9	1516.9	1516.9	1516.9	1516.9
2.5°	1539.8	1528.4	1509.2	1509.2	1497.8
5°	1532.2	1524.5	1505.4	1505.4	1494.0
7.5°	1524.5	1516.9	1494.0	1497.8	1486.3
10°	1509.2	1501.6	1482.5	1486.3	1474.9
12.5°	1490.1	1482.5	1467.2	1471.0	1459.6
15°	1467.2	1463.4	1448.1	1455.8	1444.3
17.5°	1440.5	1436.6	1425.2	1436.6	1429.0
20°	1409.9	1409.9	1402.3	1417.5	1409.9
22.5°	1375.5	1375.5	1371.7	1394.6	1387.0
25°	1341.1	1341.1	1344.9	1371.7	1367.9
27.5°	1302.9	1306.7	1318.2	1348.8	1344.9
30°	1260.9	1268.5	1287.6	1322.0	1322.0
32.5°	1215.0	1222.7	1253.2	1295.3	1295.3
35°	1169.2	1180.7	1222.7	1260.9	1268.5
37.5°	1115.7	1134.8	1184.5	1230.3	1238.0
40°	1066.0	1092.8	1146.3	1199.8	1211.2
42.5°	1012.5	1046.9	1111.9	1173.0	1184.5
45°	959.0	1001.1	1073.7	1138.6	1153.9
47.5°	905.5	951.4	1039.3	1108.1	1131.0
50°	844.4	901.7	997.2	1077.5	1096.6
52.5°	787.1	852.1	959.0	1043.1	1069.8
55°	726.0	806.2	920.8	1012.5	1039.3
57.5°	672.5	752.7	878.8	982.0	1008.7
60°	611.3	699.2	840.6	943.8	974.3
62.5°	550.2	653.4	802.4	913.2	947.6
65°	489.1	599.9	764.2	878.8	913.2
67.5°	431.8	550.2	722.1	844.4	882.6
70°	370.6	500.5	683.9	810.0	848.2
72.5°	313.3	454.7	649.5	775.6	817.7
75°	256.0	408.8	611.3	741.2	783.3
77.5°	202.5	366.8	573.1	710.7	756.5
80°	145.2	324.8	538.7	676.3	722.1
82.5°	99.3	286.6	508.2	645.7	687.8
85°	57.3	252.2	473.8	615.2	657.2
87.5°	22.9	221.6	439.4	580.8	626.6
90°	0.0	194.9	412.7	554.0	596.1
92.5°	0.0	171.9	385.9	523.5	569.3
95°	3.8	152.8	359.2	496.7	542.6
97.5°	0.0	133.7	336.2	470.0	512.0
100°	0.0	122.3	313.3	443.2	485.3
102.5°	0.0	107.0	290.4	416.5	458.5
105°	0.0	95.5	267.5	389.7	427.9
107.5°	0.0	87.9	248.4	366.8	401.2
110°	0.0	76.4	229.3	343.9	378.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	68.8	210.1	317.1	351.5
115°	0.0	61.1	194.9	294.2	324.8
117.5°	0.0	57.3	175.8	271.3	301.8
120°	0.0	49.7	160.5	252.2	278.9
122.5°	0.0	45.9	149.0	229.3	256.0
125°	0.0	38.2	133.7	210.1	233.1
127.5°	0.0	34.4	118.4	191.0	210.1
130°	0.0	30.6	107.0	171.9	191.0
132.5°	0.0	26.7	95.5	152.8	171.9
135°	0.0	22.9	84.1	137.6	152.8
137.5°	0.0	19.1	72.6	118.4	133.7
140°	0.0	15.3	61.1	103.2	114.6
142.5°	0.0	11.5	53.5	87.9	99.3
145°	0.0	7.6	42.0	76.4	84.1
147.5°	0.0	7.6	34.4	61.1	68.8
150°	0.0	3.8	22.9	49.7	53.5
152.5°	0.0	3.8	19.1	38.2	38.2
155°	0.0	3.8	11.5	22.9	26.7
157.5°	0.0	0.0	7.6	15.3	15.3
160°	0.0	0.0	3.8	7.6	11.5
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)