

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: P218373

Luminaire Tested: **8TSNLED-LD5-67SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218373
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-LD5-67SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7131.0 lumens
Efficiency: N/A
Efficacy: 128.8 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

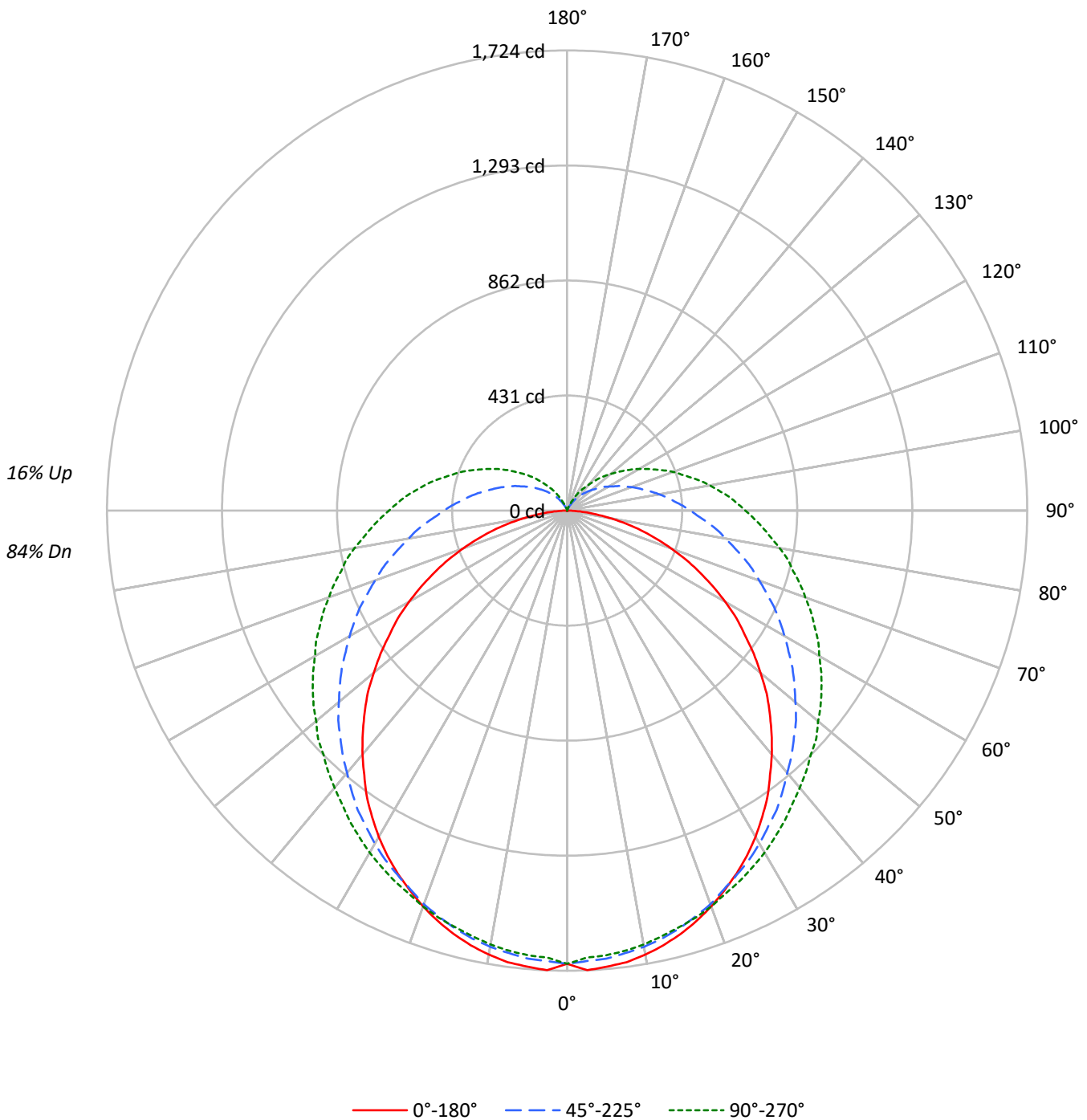
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	13679	13679	13679
5°	13844	12818	12436
10°	13770	12042	11481
15°	13621	11329	10635
20°	13428	10657	9920
25°	13216	10012	9282
30°	12973	9464	8727
35°	12686	8941	8214
40°	12333	8404	7753
45°	11980	7952	7358
50°	11559	7521	7019
55°	11084	7129	6730
60°	10642	6737	6432
65°	9989	6399	6197
70°	9241	6044	5968
75°	8274	5766	5767
80°	6741	5492	5622
85°	4791	5299	5471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	2.3
10°-20°	459.8	6.4
20°-30°	698.9	9.8
30°-40°	855.3	12.0
40°-50°	923.4	12.9
50°-60°	906.6	12.7
60°-70°	816.5	11.4
70°-80°	676.1	9.5
80°-90°	520.0	7.3
90°-100°	392.0	5.5
100°-110°	288.5	4.0
110°-120°	199.0	2.8
120°-130°	126.2	1.8
130°-140°	69.9	1.0
140°-150°	30.3	0.4
150°-160°	7.6	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1319.5	18.5
0°-40°	2174.8	30.5
0°-60°	4004.8	56.2
0°-90°	6017.5	84.4
90°-120°	879.5	12.3
90°-150°	1105.8	15.5
90°-180°	1114.0	15.6
0°-180°	7131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1715	1706	1685	1685	1672	163
15°	1642	1638	1621	1629	1617	463
25°	1501	1501	1505	1535	1531	691
35°	1309	1322	1368	1411	1420	817
45°	1073	1120	1202	1274	1292	828
55°	813	902	1031	1133	1163	729
65°	547	671	855	984	1022	543
75°	286	458	684	830	877	304
85°	64	282	530	688	736	73
90°	0	218	462	620	667	4
95°	4	171	402	556	607	1
105°	0	107	299	436	479	0
115°	0	68	218	329	364	0
125°	0	43	150	235	261	0
135°	0	26	94	154	171	0
145°	0	9	47	86	94	0
155°	0	4	13	26	30	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°	1697.8	1697.8	1697.8	1697.8	1697.8
2.5°	1723.5	1710.7	1689.3	1689.3	1676.5
5°	1714.9	1706.4	1685.0	1685.0	1672.2
7.5°	1706.4	1697.8	1672.2	1676.5	1663.6
10°	1689.3	1680.7	1659.3	1663.6	1650.8
12.5°	1667.9	1659.3	1642.2	1646.5	1633.7
15°	1642.2	1638.0	1620.9	1629.4	1616.6
17.5°	1612.3	1608.0	1595.2	1608.0	1599.5
20°	1578.1	1578.1	1569.5	1586.6	1578.1
22.5°	1539.6	1539.6	1535.3	1561.0	1552.4
25°	1501.1	1501.1	1505.4	1535.3	1531.0
27.5°	1458.3	1462.6	1475.5	1509.7	1505.4
30°	1411.3	1419.9	1441.2	1479.7	1479.7
32.5°	1360.0	1368.5	1402.7	1449.8	1449.8
35°	1308.7	1321.5	1368.5	1411.3	1419.9
37.5°	1248.8	1270.2	1325.8	1377.1	1385.6
40°	1193.2	1223.1	1283.0	1342.9	1355.7
42.5°	1133.3	1171.8	1244.5	1312.9	1325.8
45°	1073.4	1120.5	1201.7	1274.4	1291.6
47.5°	1013.6	1064.9	1163.3	1240.2	1265.9
50°	945.1	1009.3	1116.2	1206.0	1227.4
52.5°	881.0	953.7	1073.4	1167.5	1197.5
55°	812.6	902.4	1030.7	1133.3	1163.3
57.5°	752.7	842.5	983.6	1099.1	1129.0
60°	684.3	782.6	940.9	1056.3	1090.6
62.5°	615.8	731.3	898.1	1022.1	1060.6
65°	547.4	671.4	855.3	983.6	1022.1
67.5°	483.3	615.8	808.3	945.1	987.9
70°	414.8	560.2	765.5	906.7	949.4
72.5°	350.7	508.9	727.0	868.2	915.2
75°	286.5	457.6	684.3	829.7	876.7
77.5°	226.7	410.6	641.5	795.5	846.8
80°	162.5	363.5	603.0	757.0	808.3
82.5°	111.2	320.8	568.8	722.8	769.8
85°	64.2	282.3	530.3	688.5	735.6
87.5°	25.7	248.0	491.8	650.1	701.4
90°	0.0	218.1	461.9	620.1	667.2
92.5°	0.0	192.5	431.9	585.9	637.2
95°	4.3	171.1	402.0	556.0	607.3
97.5°	0.0	149.7	376.3	526.0	573.1
100°	0.0	136.9	350.7	496.1	543.1
102.5°	0.0	119.7	325.0	466.2	513.2
105°	0.0	106.9	299.4	436.2	479.0
107.5°	0.0	98.4	278.0	410.6	449.1
110°	0.0	85.5	256.6	384.9	423.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.0	235.2	355.0	393.5
115°	0.0	68.4	218.1	329.3	363.5
117.5°	0.0	64.2	196.7	303.6	337.9
120°	0.0	55.6	179.6	282.3	312.2
122.5°	0.0	51.3	166.8	256.6	286.5
125°	0.0	42.8	149.7	235.2	260.9
127.5°	0.0	38.5	132.6	213.8	235.2
130°	0.0	34.2	119.7	192.5	213.8
132.5°	0.0	29.9	106.9	171.1	192.5
135°	0.0	25.7	94.1	154.0	171.1
137.5°	0.0	21.4	81.3	132.6	149.7
140°	0.0	17.1	68.4	115.5	128.3
142.5°	0.0	12.8	59.9	98.4	111.2
145°	0.0	8.6	47.0	85.5	94.1
147.5°	0.0	8.6	38.5	68.4	77.0
150°	0.0	4.3	25.7	55.6	59.9
152.5°	0.0	4.3	21.4	42.8	42.8
155°	0.0	4.3	12.8	25.7	29.9
157.5°	0.0	0.0	8.6	17.1	17.1
160°	0.0	0.0	4.3	8.6	12.8
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)