

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: P218371

Luminaire Tested: **8TSNLED-LD5-67SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218371
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6581.0 lumens
Efficiency: N/A
Efficacy: 118.8 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

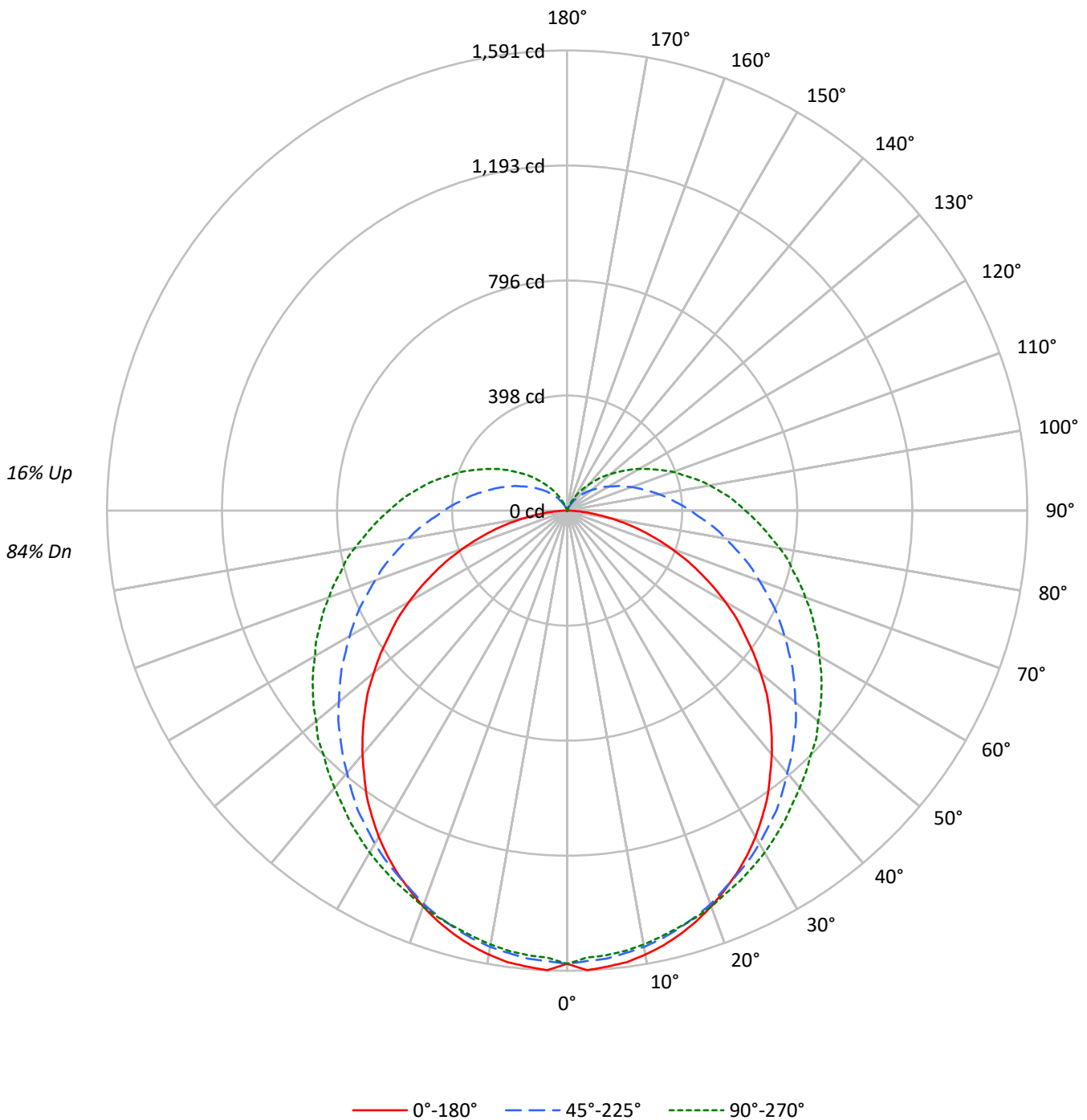
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65
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°	12624	12624	12624
5°	12777	11829	11477
10°	12708	11114	10596
15°	12571	10454	9814
20°	12393	9835	9155
25°	12196	9240	8567
30°	11972	8734	8054
35°	11707	8252	7580
40°	11382	7755	7155
45°	11057	7339	6790
50°	10667	6941	6478
55°	10229	6579	6210
60°	9821	6218	5936
65°	9218	5906	5719
70°	8528	5579	5508
75°	7636	5322	5323
80°	6223	5069	5188
85°	4418	4890	5049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	2.3
10°-20°	424.3	6.4
20°-30°	645.0	9.8
30°-40°	789.4	12.0
40°-50°	852.2	12.9
50°-60°	836.7	12.7
60°-70°	753.5	11.5
70°-80°	624.0	9.5
80°-90°	479.9	7.3
90°-100°	361.8	5.5
100°-110°	266.2	4.0
110°-120°	183.7	2.8
120°-130°	116.5	1.8
130°-140°	64.5	1.0
140°-150°	27.9	0.4
150°-160°	7.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1217.7	18.5
0°-40°	2007.1	30.5
0°-60°	3696.0	56.2
0°-90°	5553.4	84.4
90°-120°	811.6	12.3
90°-150°	1020.5	15.5
90°-180°	1028.0	15.6
0°-180°	6581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1567	1567	1567	1567	1567	
5°	1583	1575	1555	1555	1543	150
15°	1516	1512	1496	1504	1492	427
25°	1385	1385	1389	1417	1413	638
35°	1208	1220	1263	1302	1310	754
45°	991	1034	1109	1176	1192	764
55°	750	833	951	1046	1074	673
65°	505	620	789	908	943	501
75°	264	422	632	766	809	280
85°	59	260	489	635	679	68
90°	0	201	426	572	616	3
95°	4	158	371	513	560	1
105°	0	99	276	403	442	0
115°	0	63	201	304	336	0
125°	0	40	138	217	241	0
135°	0	24	87	142	158	0
145°	0	8	43	79	87	0
155°	0	4	12	24	28	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°	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1590.6	1578.7	1559.0	1559.0	1547.2
5°	1582.7	1574.8	1555.0	1555.0	1543.2
7.5°	1574.8	1566.9	1543.2	1547.2	1535.3
10°	1559.0	1551.1	1531.4	1535.3	1523.5
12.5°	1539.3	1531.4	1515.6	1519.5	1507.7
15°	1515.6	1511.6	1495.8	1503.7	1491.9
17.5°	1488.0	1484.0	1472.2	1484.0	1476.1
20°	1456.4	1456.4	1448.5	1464.3	1456.4
22.5°	1420.9	1420.9	1416.9	1440.6	1432.7
25°	1385.3	1385.3	1389.3	1416.9	1413.0
27.5°	1345.9	1349.8	1361.7	1393.2	1389.3
30°	1302.4	1310.3	1330.1	1365.6	1365.6
32.5°	1255.1	1263.0	1294.6	1338.0	1338.0
35°	1207.7	1219.6	1263.0	1302.4	1310.3
37.5°	1152.5	1172.2	1223.5	1270.9	1278.8
40°	1101.2	1128.8	1184.0	1239.3	1251.1
42.5°	1045.9	1081.4	1148.5	1211.7	1223.5
45°	990.7	1034.1	1109.1	1176.2	1191.9
47.5°	935.4	982.8	1073.5	1144.6	1168.3
50°	872.2	931.4	1030.1	1113.0	1132.7
52.5°	813.0	880.1	990.7	1077.5	1105.1
55°	749.9	832.8	951.2	1045.9	1073.5
57.5°	694.6	777.5	907.8	1014.3	1042.0
60°	631.5	722.3	868.3	974.9	1006.4
62.5°	568.3	674.9	828.8	943.3	978.8
65°	505.2	619.7	789.4	907.8	943.3
67.5°	446.0	568.3	745.9	872.2	911.7
70°	382.8	517.0	706.5	836.7	876.2
72.5°	323.6	469.7	671.0	801.2	844.6
75°	264.4	422.3	631.5	765.7	809.1
77.5°	209.2	378.9	592.0	734.1	781.5
80°	150.0	335.5	556.5	698.6	745.9
82.5°	102.6	296.0	524.9	667.0	710.4
85°	59.2	260.5	489.4	635.4	678.9
87.5°	23.7	228.9	453.9	599.9	647.3
90°	0.0	201.3	426.3	572.3	615.7
92.5°	0.0	177.6	398.6	540.7	588.1
95°	3.9	157.9	371.0	513.1	560.4
97.5°	0.0	138.1	347.3	485.5	528.9
100°	0.0	126.3	323.6	457.8	501.2
102.5°	0.0	110.5	300.0	430.2	473.6
105°	0.0	98.7	276.3	402.6	442.0
107.5°	0.0	90.8	256.5	378.9	414.4
110°	0.0	78.9	236.8	355.2	390.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	71.0	217.1	327.6	363.1
115°	0.0	63.1	201.3	303.9	335.5
117.5°	0.0	59.2	181.6	280.2	311.8
120°	0.0	51.3	165.8	260.5	288.1
122.5°	0.0	47.4	153.9	236.8	264.4
125°	0.0	39.5	138.1	217.1	240.8
127.5°	0.0	35.5	122.4	197.3	217.1
130°	0.0	31.6	110.5	177.6	197.3
132.5°	0.0	27.6	98.7	157.9	177.6
135°	0.0	23.7	86.8	142.1	157.9
137.5°	0.0	19.7	75.0	122.4	138.1
140°	0.0	15.8	63.1	106.6	118.4
142.5°	0.0	11.8	55.3	90.8	102.6
145°	0.0	7.9	43.4	78.9	86.8
147.5°	0.0	7.9	35.5	63.1	71.0
150°	0.0	3.9	23.7	51.3	55.3
152.5°	0.0	3.9	19.7	39.5	39.5
155°	0.0	3.9	11.8	23.7	27.6
157.5°	0.0	0.0	7.9	15.8	15.8
160°	0.0	0.0	3.9	7.9	11.8
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)