

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: P218386

Luminaire Tested: **8TSNLED-LD5-88SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218386
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-LD5-88SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10127.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

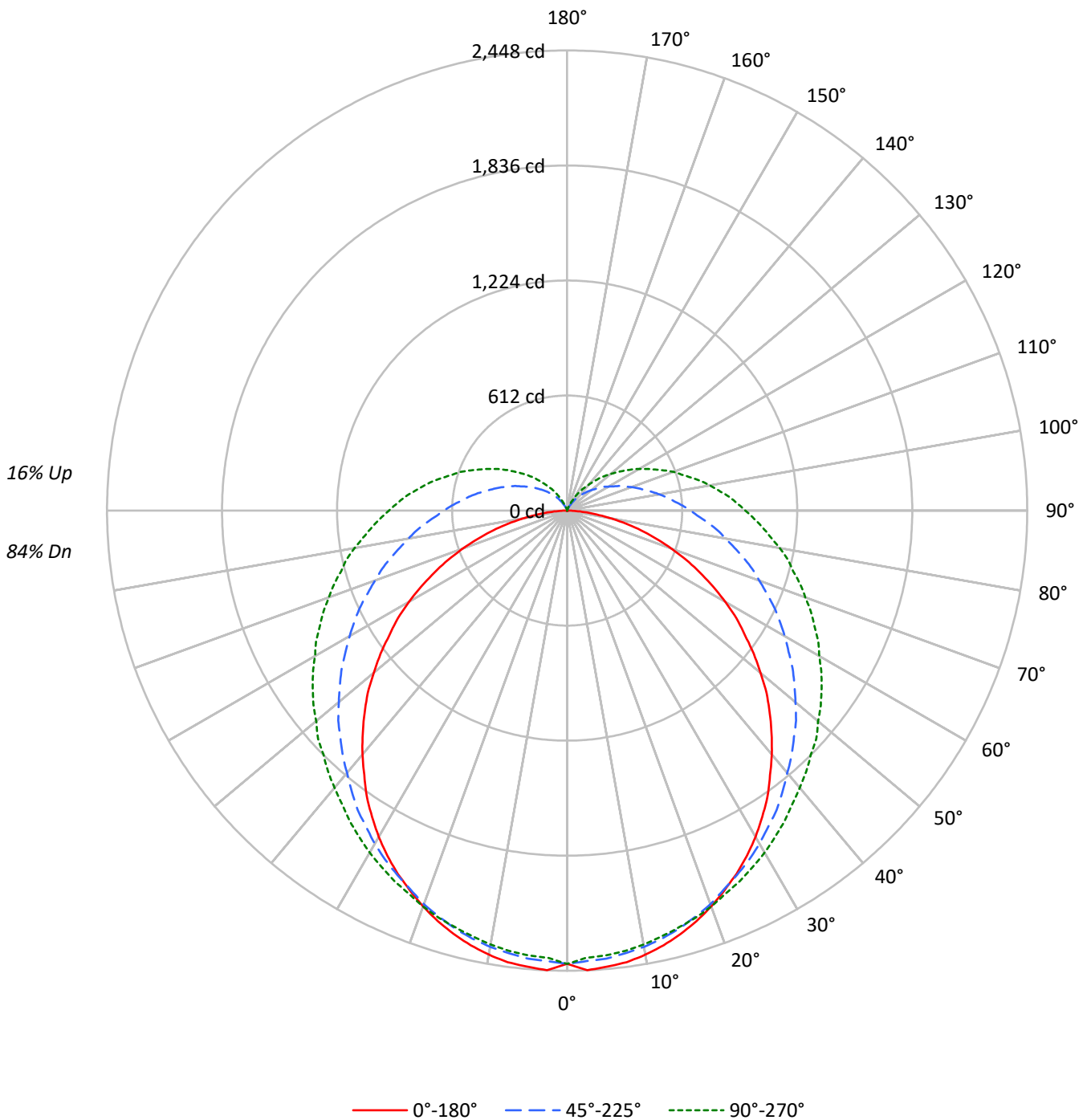
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19427	19427	19427
5°	19661	18203	17661
10°	19555	17102	16305
15°	19345	16088	15103
20°	19070	15135	14088
25°	18768	14219	13182
30°	18423	13440	12394
35°	18016	12697	11665
40°	17515	11934	11010
45°	17014	11293	10449
50°	16415	10681	9968
55°	15741	10123	9557
60°	15113	9568	9134
65°	14185	9088	8801
70°	13124	8584	8475
75°	11751	8189	8191
80°	9575	7800	7983
85°	6799	7525	7769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	2.3
10°-20°	653.0	6.4
20°-30°	992.5	9.8
30°-40°	1214.7	12.0
40°-50°	1311.4	12.9
50°-60°	1287.5	12.7
60°-70°	1159.6	11.5
70°-80°	960.2	9.5
80°-90°	738.5	7.3
90°-100°	556.7	5.5
100°-110°	409.6	4.0
110°-120°	282.6	2.8
120°-130°	179.2	1.8
130°-140°	99.2	1.0
140°-150°	43.0	0.4
150°-160°	10.7	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1873.8	18.5
0°-40°	3088.5	30.5
0°-60°	5687.4	56.2
0°-90°	8545.7	84.4
90°-120°	1248.9	12.3
90°-150°	1570.3	15.5
90°-180°	1581.0	15.6
0°-180°	10127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2436	2423	2393	2393	2375	231
15°	2332	2326	2302	2314	2296	658
25°	2132	2132	2138	2180	2174	982
35°	1858	1877	1944	2004	2016	1160
45°	1524	1591	1707	1810	1834	1176
55°	1154	1282	1464	1610	1652	1036
65°	777	954	1215	1397	1452	772
75°	407	650	972	1178	1245	432
85°	91	401	753	978	1045	104
90°	0	310	656	881	948	5
95°	6	243	571	790	862	2
105°	0	152	425	620	680	0
115°	0	97	310	468	516	0
125°	0	61	213	334	370	0
135°	0	36	134	219	243	0
145°	0	12	67	122	134	0
155°	0	6	18	36	42	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°	2411.2	2411.2	2411.2	2411.2	2411.2
2.5°	2447.6	2429.4	2399.0	2399.0	2380.8
5°	2435.5	2423.3	2392.9	2392.9	2374.7
7.5°	2423.3	2411.2	2374.7	2380.8	2362.6
10°	2399.0	2386.9	2356.5	2362.6	2344.4
12.5°	2368.6	2356.5	2332.2	2338.3	2320.1
15°	2332.2	2326.1	2301.8	2314.0	2295.8
17.5°	2289.7	2283.6	2265.4	2283.6	2271.5
20°	2241.1	2241.1	2229.0	2253.3	2241.1
22.5°	2186.4	2186.4	2180.4	2216.8	2204.7
25°	2131.8	2131.8	2137.9	2180.4	2174.3
27.5°	2071.0	2077.1	2095.3	2143.9	2137.9
30°	2004.2	2016.4	2046.8	2101.4	2101.4
32.5°	1931.4	1943.5	1992.1	2058.9	2058.9
35°	1858.5	1876.7	1943.5	2004.2	2016.4
37.5°	1773.4	1803.8	1882.8	1955.7	1967.8
40°	1694.5	1737.0	1822.0	1907.1	1925.3
42.5°	1609.5	1664.1	1767.4	1864.6	1882.8
45°	1524.4	1591.2	1706.6	1809.9	1834.2
47.5°	1439.4	1512.3	1652.0	1761.3	1797.7
50°	1342.2	1433.3	1585.2	1712.7	1743.1
52.5°	1251.1	1354.4	1524.4	1658.1	1700.6
55°	1154.0	1281.5	1463.7	1609.5	1652.0
57.5°	1068.9	1196.5	1396.9	1560.9	1603.4
60°	971.8	1111.4	1336.2	1500.1	1548.7
62.5°	874.6	1038.6	1275.4	1451.6	1506.2
65°	777.4	953.5	1214.7	1396.9	1451.6
67.5°	686.3	874.6	1147.9	1342.2	1403.0
70°	589.1	795.6	1087.1	1287.6	1348.3
72.5°	498.0	722.7	1032.5	1232.9	1299.7
75°	406.9	649.9	971.8	1178.3	1245.1
77.5°	321.9	583.1	911.0	1129.7	1202.5
80°	230.8	516.2	856.4	1075.0	1147.9
82.5°	157.9	455.5	807.8	1026.4	1093.2
85°	91.1	400.8	753.1	977.8	1044.6
87.5°	36.4	352.3	698.4	923.2	996.0
90°	0.0	309.7	655.9	880.7	947.5
92.5°	0.0	273.3	613.4	832.1	904.9
95°	6.1	242.9	570.9	789.5	862.4
97.5°	0.0	212.6	534.5	747.0	813.8
100°	0.0	194.4	498.0	704.5	771.3
102.5°	0.0	170.1	461.6	662.0	728.8
105°	0.0	151.8	425.1	619.5	680.2
107.5°	0.0	139.7	394.8	583.1	637.7
110°	0.0	121.5	364.4	546.6	601.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	109.3	334.0	504.1	558.8
115°	0.0	97.2	309.7	467.7	516.2
117.5°	0.0	91.1	279.4	431.2	479.8
120°	0.0	79.0	255.1	400.8	443.4
122.5°	0.0	72.9	236.9	364.4	406.9
125°	0.0	60.7	212.6	334.0	370.5
127.5°	0.0	54.7	188.3	303.7	334.0
130°	0.0	48.6	170.1	273.3	303.7
132.5°	0.0	42.5	151.8	242.9	273.3
135°	0.0	36.4	133.6	218.6	242.9
137.5°	0.0	30.4	115.4	188.3	212.6
140°	0.0	24.3	97.2	164.0	182.2
142.5°	0.0	18.2	85.0	139.7	157.9
145°	0.0	12.1	66.8	121.5	133.6
147.5°	0.0	12.1	54.7	97.2	109.3
150°	0.0	6.1	36.4	79.0	85.0
152.5°	0.0	6.1	30.4	60.7	60.7
155°	0.0	6.1	18.2	36.4	42.5
157.5°	0.0	0.0	12.1	24.3	24.3
160°	0.0	0.0	6.1	12.1	18.2
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)