

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: P218384

Luminaire Tested: **8TSNLED-LD5-88SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218384  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9179.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 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

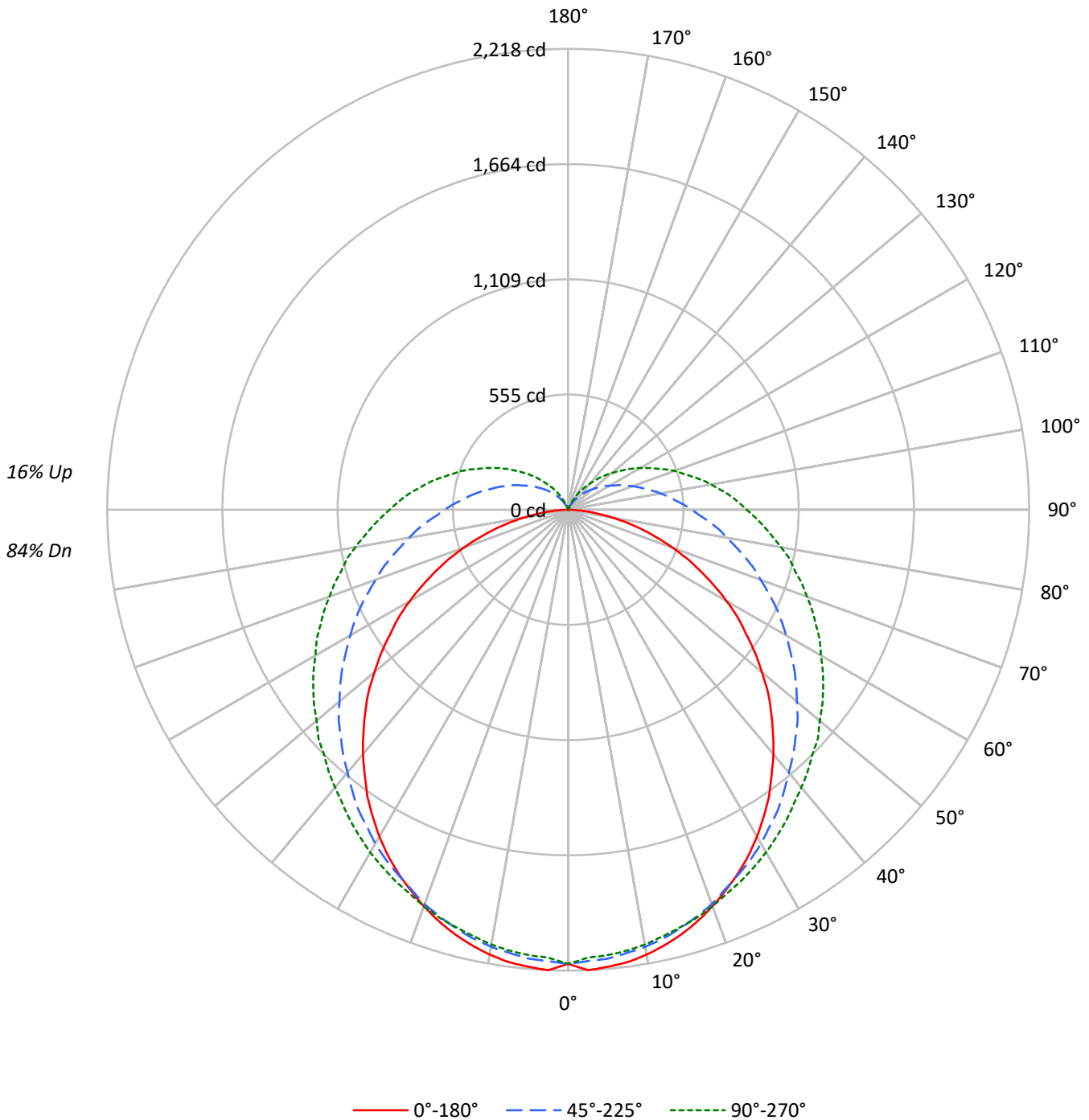
Input Watts (W): 77.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	17608	17608	17608
5°	17821	16499	16007
10°	17724	15501	14778
15°	17534	14582	13689
20°	17285	13718	12769
25°	17011	12888	11948
30°	16699	12182	11234
35°	16329	11509	10573
40°	15876	10817	9980
45°	15421	10236	9471
50°	14879	9681	9035
55°	14266	9176	8662
60°	13698	8672	8280
65°	12857	8237	7977
70°	11897	7781	7682
75°	10651	7422	7424
80°	8679	7070	7236
85°	6165	6821	7041



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.0	2.3
10°-20°	591.9	6.4
20°-30°	899.6	9.8
30°-40°	1101.0	12.0
40°-50°	1188.7	12.9
50°-60°	1167.0	12.7
60°-70°	1051.0	11.5
70°-80°	870.3	9.5
80°-90°	669.4	7.3
90°-100°	504.6	5.5
100°-110°	371.3	4.0
110°-120°	256.2	2.8
120°-130°	162.4	1.8
130°-140°	89.9	1.0
140°-150°	38.9	0.4
150°-160°	9.7	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1698.4	18.5
0°-40°	2799.4	30.5
0°-60°	5155.0	56.2
0°-90°	7745.7	84.4
90°-120°	1132.0	12.3
90°-150°	1423.3	15.5
90°-180°	1433.0	15.6
0°-180°	9179.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2186	2186	2186	2186	2186	
5°	2208	2196	2169	2169	2152	210
15°	2114	2108	2086	2097	2081	596
25°	1932	1932	1938	1976	1971	890
35°	1684	1701	1762	1817	1828	1052
45°	1382	1442	1547	1640	1662	1066
55°	1046	1162	1327	1459	1497	939
65°	705	864	1101	1266	1316	699
75°	369	589	881	1068	1128	391
85°	83	363	683	886	947	94
90°	0	281	594	798	859	5
95°	6	220	518	716	782	2
105°	0	138	385	562	617	0
115°	0	88	281	424	468	0
125°	0	55	193	303	336	0
135°	0	33	121	198	220	0
145°	0	11	61	110	121	0
155°	0	6	16	33	38	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°	2185.5	2185.5	2185.5	2185.5	2185.5
2.5°	2218.5	2202.0	2174.4	2174.4	2157.9
5°	2207.5	2196.5	2168.9	2168.9	2152.4
7.5°	2196.5	2185.5	2152.4	2157.9	2141.4
10°	2174.4	2163.4	2135.9	2141.4	2124.9
12.5°	2146.9	2135.9	2113.9	2119.4	2102.9
15°	2113.9	2108.4	2086.4	2097.4	2080.9
17.5°	2075.4	2069.8	2053.3	2069.8	2058.8
20°	2031.3	2031.3	2020.3	2042.3	2031.3
22.5°	1981.8	1981.8	1976.3	2009.3	1998.3
25°	1932.2	1932.2	1937.7	1976.3	1970.8
27.5°	1877.2	1882.7	1899.2	1943.2	1937.7
30°	1816.6	1827.6	1855.2	1904.7	1904.7
32.5°	1750.6	1761.6	1805.6	1866.2	1866.2
35°	1684.5	1701.0	1761.6	1816.6	1827.6
37.5°	1607.4	1635.0	1706.5	1772.6	1783.6
40°	1535.9	1574.4	1651.5	1728.5	1745.1
42.5°	1458.8	1508.3	1601.9	1690.0	1706.5
45°	1381.7	1442.3	1546.9	1640.5	1662.5
47.5°	1304.7	1370.7	1497.3	1596.4	1629.5
50°	1216.6	1299.2	1436.8	1552.4	1579.9
52.5°	1134.0	1227.6	1381.7	1502.8	1541.4
55°	1045.9	1161.5	1326.7	1458.8	1497.3
57.5°	968.9	1084.5	1266.1	1414.8	1453.3
60°	880.8	1007.4	1211.1	1359.7	1403.8
62.5°	792.7	941.3	1156.0	1315.7	1365.2
65°	704.6	864.3	1101.0	1266.1	1315.7
67.5°	622.1	792.7	1040.4	1216.6	1271.6
70°	534.0	721.1	985.4	1167.0	1222.1
72.5°	451.4	655.1	935.8	1117.5	1178.1
75°	368.8	589.0	880.8	1068.0	1128.5
77.5°	291.8	528.5	825.7	1023.9	1090.0
80°	209.2	467.9	776.2	974.4	1040.4
82.5°	143.1	412.9	732.2	930.3	990.9
85°	82.6	363.3	682.6	886.3	946.8
87.5°	33.0	319.3	633.1	836.7	902.8
90°	0.0	280.8	594.5	798.2	858.8
92.5°	0.0	247.7	556.0	754.2	820.2
95°	5.5	220.2	517.5	715.6	781.7
97.5°	0.0	192.7	484.4	677.1	737.7
100°	0.0	176.2	451.4	638.6	699.1
102.5°	0.0	154.1	418.4	600.0	660.6
105°	0.0	137.6	385.3	561.5	616.6
107.5°	0.0	126.6	357.8	528.5	578.0
110°	0.0	110.1	330.3	495.4	545.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	99.1	302.8	456.9	506.5
115°	0.0	88.1	280.8	423.9	467.9
117.5°	0.0	82.6	253.2	390.8	434.9
120°	0.0	71.6	231.2	363.3	401.9
122.5°	0.0	66.1	214.7	330.3	368.8
125°	0.0	55.0	192.7	302.8	335.8
127.5°	0.0	49.5	170.7	275.2	302.8
130°	0.0	44.0	154.1	247.7	275.2
132.5°	0.0	38.5	137.6	220.2	247.7
135°	0.0	33.0	121.1	198.2	220.2
137.5°	0.0	27.5	104.6	170.7	192.7
140°	0.0	22.0	88.1	148.6	165.1
142.5°	0.0	16.5	77.1	126.6	143.1
145°	0.0	11.0	60.6	110.1	121.1
147.5°	0.0	11.0	49.5	88.1	99.1
150°	0.0	5.5	33.0	71.6	77.1
152.5°	0.0	5.5	27.5	55.0	55.0
155°	0.0	5.5	16.5	33.0	38.5
157.5°	0.0	0.0	11.0	22.0	22.0
160°	0.0	0.0	5.5	11.0	16.5
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)