

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: P218385

Luminaire Tested: **8TSNLED-LD5-88SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218385
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9362.0 lumens
Efficiency: N/A
Efficacy: 121.0 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

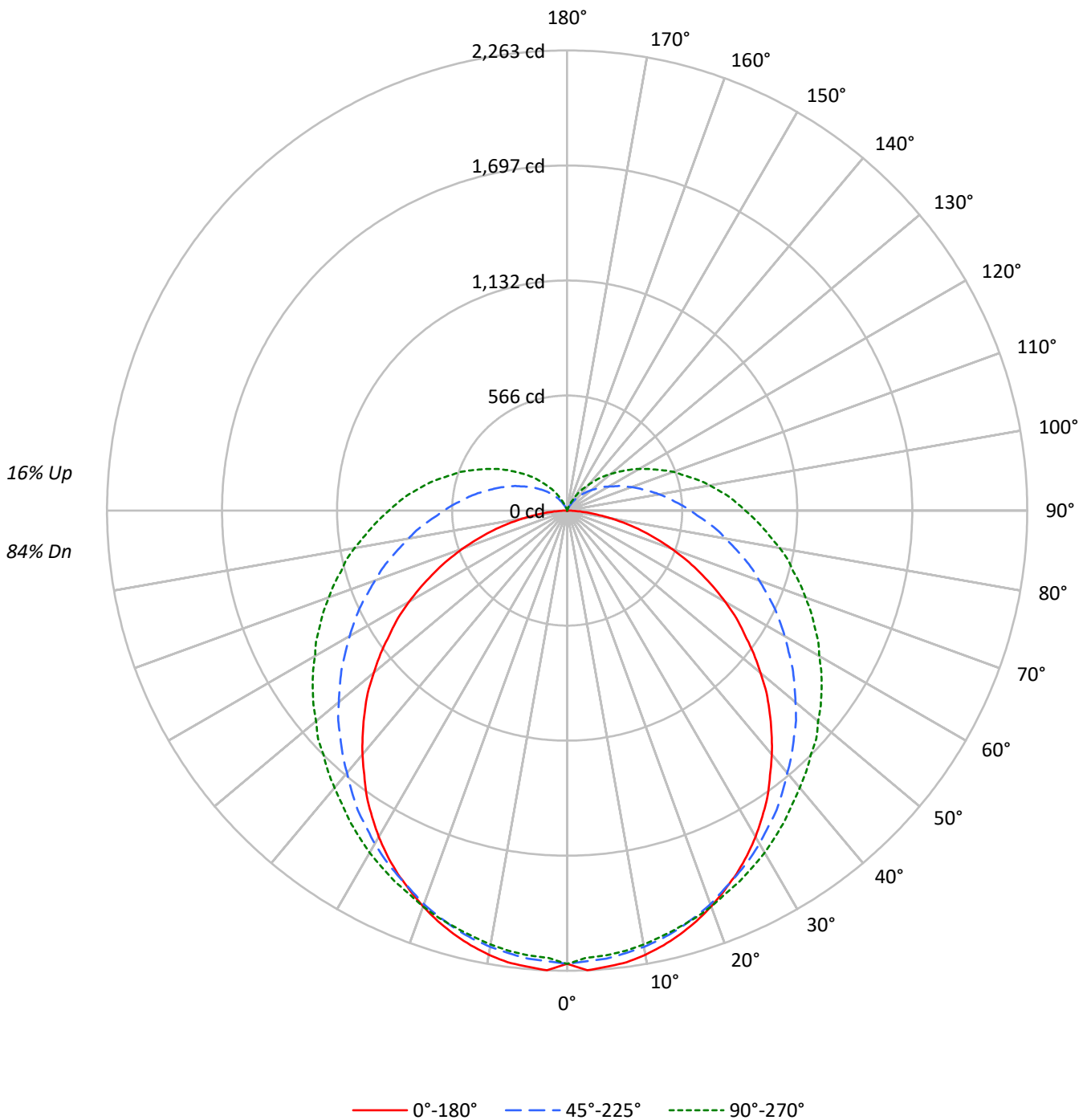
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17959	17959	17959
5°	18176	16829	16326
10°	18078	15810	15073
15°	17883	14873	13961
20°	17629	13991	13023
25°	17350	13145	12187
30°	17032	12424	11458
35°	16655	11738	10784
40°	16192	11033	10178
45°	15729	10440	9660
50°	15175	9874	9215
55°	14551	9359	8835
60°	13970	8845	8444
65°	13114	8401	8135
70°	12133	7936	7835
75°	10864	7570	7572
80°	8853	7211	7380
85°	6284	6957	7182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	2.3
10°-20°	603.7	6.4
20°-30°	917.5	9.8
30°-40°	1122.9	12.0
40°-50°	1212.4	12.9
50°-60°	1190.2	12.7
60°-70°	1072.0	11.5
70°-80°	887.7	9.5
80°-90°	682.7	7.3
90°-100°	514.7	5.5
100°-110°	378.7	4.0
110°-120°	261.3	2.8
120°-130°	165.7	1.8
130°-140°	91.7	1.0
140°-150°	39.7	0.4
150°-160°	9.9	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1732.3	18.5
0°-40°	2855.2	30.5
0°-60°	5257.8	56.2
0°-90°	7900.1	84.4
90°-120°	1154.6	12.3
90°-150°	1451.7	15.5
90°-180°	1462.0	15.6
0°-180°	9362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2252	2240	2212	2212	2195	214
15°	2156	2150	2128	2139	2122	608
25°	1971	1971	1976	2016	2010	908
35°	1718	1735	1797	1853	1864	1073
45°	1409	1471	1578	1673	1696	1087
55°	1067	1185	1353	1488	1527	957
65°	719	882	1123	1291	1342	713
75°	376	601	898	1089	1151	399
85°	84	371	696	904	966	96
90°	0	286	606	814	876	5
95°	6	225	528	730	797	2
105°	0	140	393	573	629	0
115°	0	90	286	432	477	0
125°	0	56	196	309	342	0
135°	0	34	124	202	225	0
145°	0	11	62	112	124	0
155°	0	6	17	34	39	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218385

CATALOG NUMBER: 8TSNLED-LD5-88SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2262.7	2245.9	2217.8	2217.8	2200.9
5°	2251.5	2240.3	2212.2	2212.2	2195.3
7.5°	2240.3	2229.0	2195.3	2200.9	2184.1
10°	2217.8	2206.6	2178.5	2184.1	2167.3
12.5°	2189.7	2178.5	2156.0	2161.6	2144.8
15°	2156.0	2150.4	2128.0	2139.2	2122.3
17.5°	2116.7	2111.1	2094.3	2111.1	2099.9
20°	2071.8	2071.8	2060.6	2083.0	2071.8
22.5°	2021.3	2021.3	2015.7	2049.4	2038.1
25°	1970.7	1970.7	1976.4	2015.7	2010.1
27.5°	1914.6	1920.2	1937.1	1982.0	1976.4
30°	1852.8	1864.1	1892.1	1942.7	1942.7
32.5°	1785.5	1796.7	1841.6	1903.4	1903.4
35°	1718.1	1734.9	1796.7	1852.8	1864.1
37.5°	1639.5	1667.6	1740.5	1807.9	1819.2
40°	1566.5	1605.8	1684.4	1763.0	1779.8
42.5°	1487.9	1538.4	1633.9	1723.7	1740.5
45°	1409.3	1471.0	1577.7	1673.2	1695.6
47.5°	1330.7	1398.1	1527.2	1628.3	1661.9
50°	1240.8	1325.1	1465.4	1583.3	1611.4
52.5°	1156.6	1252.1	1409.3	1532.8	1572.1
55°	1066.8	1184.7	1353.1	1487.9	1527.2
57.5°	988.2	1106.1	1291.4	1443.0	1482.3
60°	898.3	1027.5	1235.2	1386.8	1431.7
62.5°	808.5	960.1	1179.1	1341.9	1392.4
65°	718.7	881.5	1122.9	1291.4	1341.9
67.5°	634.5	808.5	1061.2	1240.8	1297.0
70°	544.6	735.5	1005.0	1190.3	1246.5
72.5°	460.4	668.1	954.5	1139.8	1201.5
75°	376.2	600.8	898.3	1089.2	1151.0
77.5°	297.6	539.0	842.2	1044.3	1111.7
80°	213.4	477.2	791.7	993.8	1061.2
82.5°	146.0	421.1	746.8	948.9	1010.6
85°	84.2	370.6	696.2	904.0	965.7
87.5°	33.7	325.7	645.7	853.4	920.8
90°	0.0	286.3	606.4	814.1	875.9
92.5°	0.0	252.7	567.1	769.2	836.6
95°	5.6	224.6	527.8	729.9	797.3
97.5°	0.0	196.5	494.1	690.6	752.4
100°	0.0	179.7	460.4	651.3	713.1
102.5°	0.0	157.2	426.7	612.0	673.8
105°	0.0	140.4	393.0	572.7	628.8
107.5°	0.0	129.1	365.0	539.0	589.5
110°	0.0	112.3	336.9	505.3	555.9



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CATALOG NUMBER: 8TSNLED-LD5-88SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	101.1	308.8	466.0	516.5
115°	0.0	89.8	286.3	432.3	477.2
117.5°	0.0	84.2	258.3	398.6	443.6
120°	0.0	73.0	235.8	370.6	409.9
122.5°	0.0	67.4	219.0	336.9	376.2
125°	0.0	56.1	196.5	308.8	342.5
127.5°	0.0	50.5	174.1	280.7	308.8
130°	0.0	44.9	157.2	252.7	280.7
132.5°	0.0	39.3	140.4	224.6	252.7
135°	0.0	33.7	123.5	202.1	224.6
137.5°	0.0	28.1	106.7	174.1	196.5
140°	0.0	22.5	89.8	151.6	168.4
142.5°	0.0	16.8	78.6	129.1	146.0
145°	0.0	11.2	61.8	112.3	123.5
147.5°	0.0	11.2	50.5	89.8	101.1
150°	0.0	5.6	33.7	73.0	78.6
152.5°	0.0	5.6	28.1	56.1	56.1
155°	0.0	5.6	16.8	33.7	39.3
157.5°	0.0	0.0	11.2	22.5	22.5
160°	0.0	0.0	5.6	11.2	16.8
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)