

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: P218392

Luminaire Tested: **8TSNLED-LD5-110HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218392
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-LD5-110HL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10101.0 lumens
Efficiency: N/A
Efficacy: 117.6 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

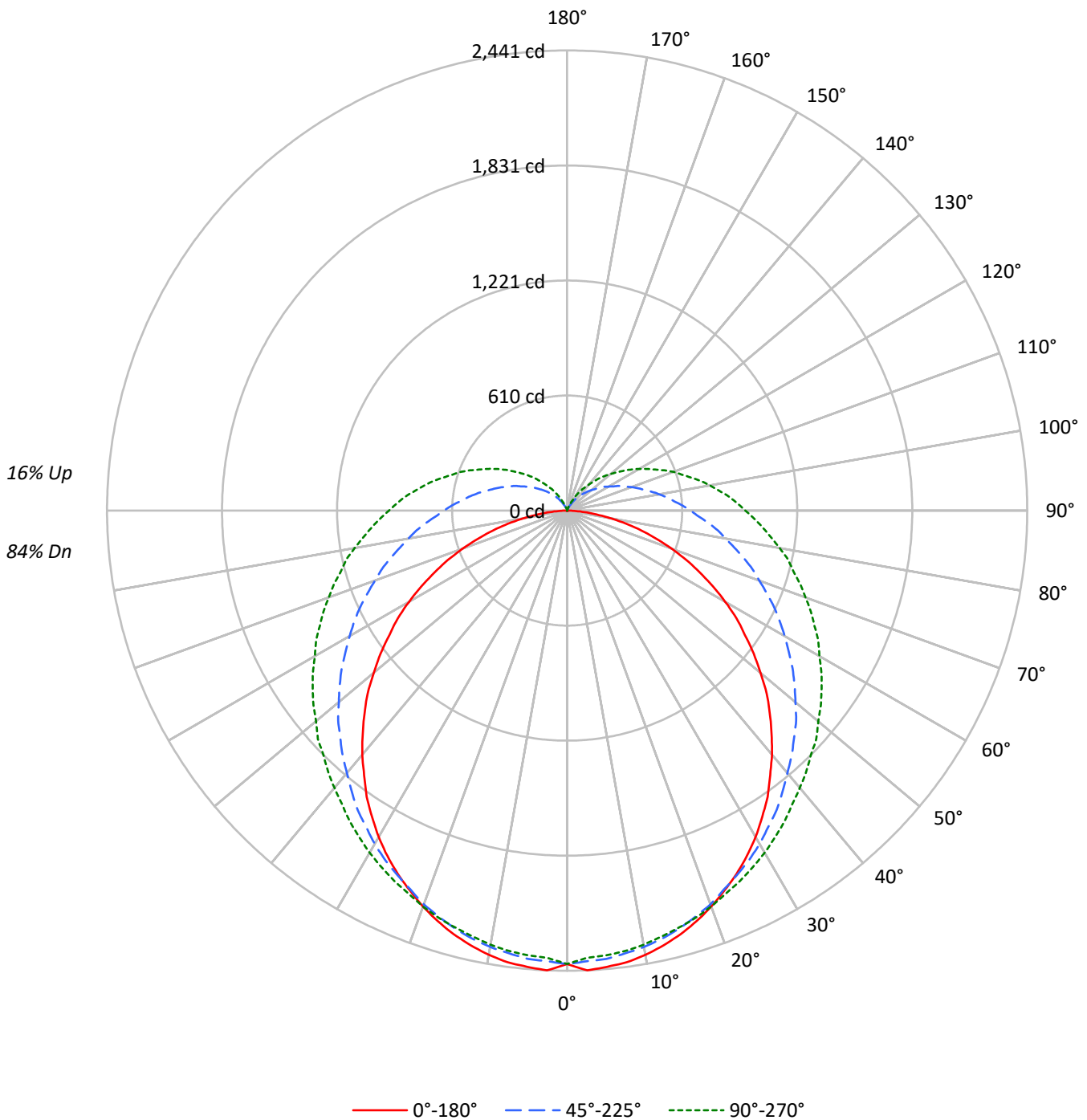
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19377	19377	19377
5°	19611	18157	17615
10°	19505	17058	16262
15°	19295	16046	15064
20°	19022	15095	14052
25°	18720	14182	13148
30°	18377	13406	12362
35°	17970	12665	11635
40°	17470	11904	10982
45°	16970	11265	10423
50°	16373	10653	9943
55°	15700	10097	9532
60°	15074	9543	9111
65°	14149	9065	8778
70°	13091	8563	8453
75°	11722	8168	8170
80°	9550	7780	7963
85°	6784	7506	7749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	2.3
10°-20°	651.3	6.4
20°-30°	990.0	9.8
30°-40°	1211.6	12.0
40°-50°	1308.1	12.9
50°-60°	1284.2	12.7
60°-70°	1156.6	11.5
70°-80°	957.7	9.5
80°-90°	736.6	7.3
90°-100°	555.3	5.5
100°-110°	408.6	4.0
110°-120°	281.9	2.8
120°-130°	178.8	1.8
130°-140°	98.9	1.0
140°-150°	42.9	0.4
150°-160°	10.7	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1869.0	18.5
0°-40°	3080.6	30.5
0°-60°	5672.8	56.2
0°-90°	8523.7	84.4
90°-120°	1245.7	12.3
90°-150°	1566.3	15.5
90°-180°	1577.0	15.6
0°-180°	10101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2429	2417	2387	2387	2369	231
15°	2326	2320	2296	2308	2290	656
25°	2126	2126	2132	2175	2169	979
35°	1854	1872	1938	1999	2011	1157
45°	1520	1587	1702	1805	1830	1173
55°	1151	1278	1460	1605	1648	1033
65°	775	951	1212	1393	1448	770
75°	406	648	969	1175	1242	430
85°	91	400	751	975	1042	104
90°	0	309	654	878	945	5
95°	6	242	569	788	860	2
105°	0	151	424	618	678	0
115°	0	97	309	466	515	0
125°	0	61	212	333	370	0
135°	0	36	133	218	242	0
145°	0	12	67	121	133	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°	2405.0	2405.0	2405.0	2405.0	2405.0
2.5°	2441.3	2423.1	2392.9	2392.9	2374.7
5°	2429.2	2417.1	2386.8	2386.8	2368.6
7.5°	2417.1	2405.0	2368.6	2374.7	2356.5
10°	2392.9	2380.7	2350.5	2356.5	2338.3
12.5°	2362.6	2350.5	2326.2	2332.3	2314.1
15°	2326.2	2320.2	2295.9	2308.0	2289.9
17.5°	2283.8	2277.8	2259.6	2277.8	2265.6
20°	2235.4	2235.4	2223.2	2247.5	2235.4
22.5°	2180.8	2180.8	2174.8	2211.1	2199.0
25°	2126.3	2126.3	2132.4	2174.8	2168.7
27.5°	2065.7	2071.8	2090.0	2138.4	2132.4
30°	1999.1	2011.2	2041.5	2096.0	2096.0
32.5°	1926.4	1938.5	1987.0	2053.6	2053.6
35°	1853.7	1871.9	1938.5	1999.1	2011.2
37.5°	1768.9	1799.2	1877.9	1950.6	1962.7
40°	1690.1	1732.5	1817.4	1902.2	1920.3
42.5°	1605.3	1659.9	1762.8	1859.8	1877.9
45°	1520.5	1587.2	1702.3	1805.2	1829.5
47.5°	1435.7	1508.4	1647.7	1756.8	1793.1
50°	1338.8	1429.7	1581.1	1708.3	1738.6
52.5°	1247.9	1350.9	1520.5	1653.8	1696.2
55°	1151.0	1278.2	1459.9	1605.3	1647.7
57.5°	1066.2	1193.4	1393.3	1556.9	1599.3
60°	969.3	1108.6	1332.7	1496.3	1544.8
62.5°	872.3	1035.9	1272.2	1447.8	1502.4
65°	775.4	951.1	1211.6	1393.3	1447.8
67.5°	684.5	872.3	1144.9	1338.8	1399.4
70°	587.6	793.6	1084.4	1284.3	1344.8
72.5°	496.7	720.9	1029.8	1229.7	1296.4
75°	405.9	648.2	969.3	1175.2	1241.9
77.5°	321.1	581.6	908.7	1126.8	1199.5
80°	230.2	514.9	854.2	1072.2	1144.9
82.5°	157.5	454.3	805.7	1023.8	1090.4
85°	90.9	399.8	751.2	975.3	1042.0
87.5°	36.3	351.4	696.7	920.8	993.5
90°	0.0	309.0	654.2	878.4	945.0
92.5°	0.0	272.6	611.8	829.9	902.6
95°	6.1	242.3	569.4	787.5	860.2
97.5°	0.0	212.0	533.1	745.1	811.8
100°	0.0	193.9	496.7	702.7	769.3
102.5°	0.0	169.6	460.4	660.3	726.9
105°	0.0	151.4	424.1	617.9	678.5
107.5°	0.0	139.3	393.8	581.6	636.1
110°	0.0	121.2	363.5	545.2	599.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	109.0	333.2	502.8	557.3
115°	0.0	96.9	309.0	466.5	514.9
117.5°	0.0	90.9	278.7	430.1	478.6
120°	0.0	78.8	254.4	399.8	442.2
122.5°	0.0	72.7	236.3	363.5	405.9
125°	0.0	60.6	212.0	333.2	369.5
127.5°	0.0	54.5	187.8	302.9	333.2
130°	0.0	48.5	169.6	272.6	302.9
132.5°	0.0	42.4	151.4	242.3	272.6
135°	0.0	36.3	133.3	218.1	242.3
137.5°	0.0	30.3	115.1	187.8	212.0
140°	0.0	24.2	96.9	163.6	181.7
142.5°	0.0	18.2	84.8	139.3	157.5
145°	0.0	12.1	66.6	121.2	133.3
147.5°	0.0	12.1	54.5	96.9	109.0
150°	0.0	6.1	36.3	78.8	84.8
152.5°	0.0	6.1	30.3	60.6	60.6
155°	0.0	6.1	18.2	36.3	42.4
157.5°	0.0	0.0	12.1	24.2	24.2
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)