

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: P218198

Luminaire Tested: **4SNLED-LD5-37SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4192.0 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

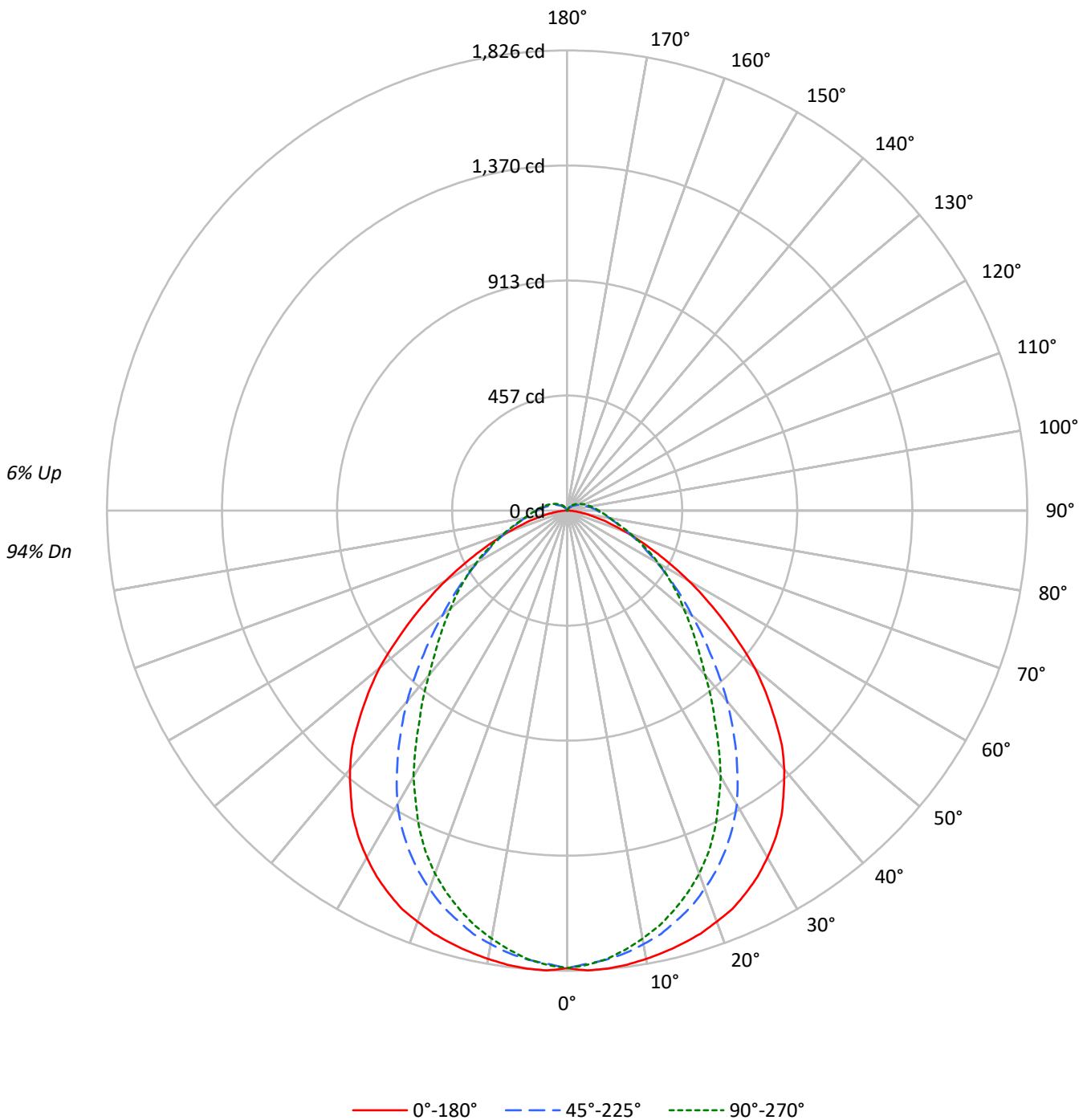
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29254	29254	29254
5°	29401	27185	26575
10°	29344	25299	23993
15°	29331	23446	21590
20°	29321	21592	19270
25°	29235	19671	16844
30°	28892	17587	14381
35°	28325	15162	11831
40°	27245	12833	9751
45°	25460	10549	8179
50°	23207	8609	6896
55°	19967	7105	5877
60°	16728	5817	4924
65°	13295	4832	4070
70°	10363	4060	3359
75°	7854	3447	2789
80°	5470	3049	2397
85°	3317	2773	2169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.7	4.1
10°-20°	479.0	11.4
20°-30°	693.6	16.5
30°-40°	754.9	18.0
40°-50°	670.5	16.0
50°-60°	510.4	12.2
60°-70°	338.9	8.1
70°-80°	206.5	4.9
80°-90°	127.9	3.1
90°-100°	87.4	2.1
100°-110°	61.3	1.5
110°-120°	41.8	1.0
120°-130°	26.5	0.6
130°-140°	15.1	0.4
140°-150°	7.1	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1343.3	32.0
0°-40°	2098.3	50.1
0°-60°	3279.1	78.2
0°-90°	3952.4	94.3
90°-120°	190.5	4.5
90°-150°	239.1	5.7
90°-180°	240.0	5.7
0°-180°	4192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1816	1816	1816	1816	1816	
5°	1824	1813	1789	1798	1787	174
15°	1778	1747	1683	1663	1641	502
25°	1676	1601	1486	1427	1389	772
35°	1482	1349	1168	1067	1023	923
45°	1164	989	804	736	718	896
55°	753	612	519	510	508	676
65°	380	327	327	340	336	383
75°	146	166	208	219	212	158
85°	26	84	141	150	146	32
90°	0	62	119	130	126	2
95°	0	49	102	113	110	0
105°	0	31	73	84	84	0
115°	0	20	53	64	62	0
125°	0	13	35	44	44	0
135°	0	9	24	31	31	0
145°	0	4	13	18	18	0
155°	0	0	0	0	0	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°	1815.5	1815.5	1815.5	1815.5	1815.5
2.5°	1826.5	1817.7	1800.0	1811.0	1804.4
5°	1824.3	1813.2	1789.0	1797.8	1786.7
7.5°	1817.7	1804.4	1771.3	1775.7	1758.0
10°	1806.6	1789.0	1747.0	1742.6	1724.9
12.5°	1793.4	1771.3	1720.5	1705.0	1687.4
15°	1777.9	1747.0	1682.9	1663.1	1641.0
17.5°	1760.2	1718.3	1645.4	1614.5	1590.2
20°	1735.9	1685.1	1596.8	1559.3	1532.8
22.5°	1711.7	1645.4	1546.0	1495.2	1466.5
25°	1676.3	1601.2	1486.4	1426.7	1389.2
27.5°	1636.6	1550.4	1420.1	1342.8	1300.9
30°	1590.2	1490.8	1347.2	1256.7	1219.1
32.5°	1539.4	1424.5	1258.9	1161.7	1119.8
35°	1482.0	1349.4	1168.3	1066.7	1022.6
37.5°	1411.3	1267.7	1077.8	974.0	938.6
40°	1340.6	1181.6	987.2	890.1	852.5
42.5°	1261.1	1086.6	894.5	806.1	779.6
45°	1163.9	989.4	803.9	735.5	717.8
47.5°	1069.0	890.1	722.2	673.6	658.2
50°	971.8	792.9	644.9	614.0	602.9
52.5°	859.1	697.9	580.9	561.0	556.6
55°	753.1	611.8	519.0	510.2	508.0
57.5°	651.5	530.1	461.6	468.2	463.8
60°	556.6	455.0	410.8	419.6	417.4
62.5°	463.8	386.5	364.4	382.1	377.7
65°	379.9	326.9	326.9	340.1	335.7
67.5°	307.0	278.3	291.5	304.8	300.4
70°	245.2	234.1	260.6	271.7	267.2
72.5°	189.9	196.6	229.7	242.9	236.3
75°	145.8	165.6	207.6	218.6	212.0
77.5°	103.8	139.1	187.7	196.6	189.9
80°	72.9	117.1	170.1	178.9	172.3
82.5°	46.4	99.4	154.6	163.4	159.0
85°	26.5	83.9	141.3	150.2	145.8
87.5°	13.3	72.9	128.1	139.1	134.7
90°	0.0	61.8	119.3	130.3	125.9
92.5°	0.0	55.2	110.4	121.5	117.1
95°	0.0	48.6	101.6	112.6	110.4
97.5°	0.0	44.2	95.0	106.0	101.6
100°	0.0	37.5	86.1	97.2	95.0
102.5°	0.0	35.3	79.5	90.6	88.3
105°	0.0	30.9	72.9	83.9	83.9
107.5°	0.0	28.7	68.5	79.5	77.3
110°	0.0	24.3	61.8	72.9	72.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.1	57.4	68.5	66.3
115°	0.0	19.9	53.0	64.0	61.8
117.5°	0.0	19.9	48.6	57.4	57.4
120°	0.0	17.7	44.2	53.0	53.0
122.5°	0.0	15.5	39.8	48.6	48.6
125°	0.0	13.3	35.3	44.2	44.2
127.5°	0.0	13.3	33.1	42.0	42.0
130°	0.0	11.0	28.7	37.5	37.5
132.5°	0.0	8.8	26.5	33.1	33.1
135°	0.0	8.8	24.3	30.9	30.9
137.5°	0.0	6.6	19.9	26.5	26.5
140°	0.0	6.6	17.7	24.3	24.3
142.5°	0.0	4.4	15.5	22.1	19.9
145°	0.0	4.4	13.3	17.7	17.7
147.5°	0.0	2.2	11.0	15.5	15.5
150°	0.0	2.2	8.8	13.3	11.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)