

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: P218078

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4318.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

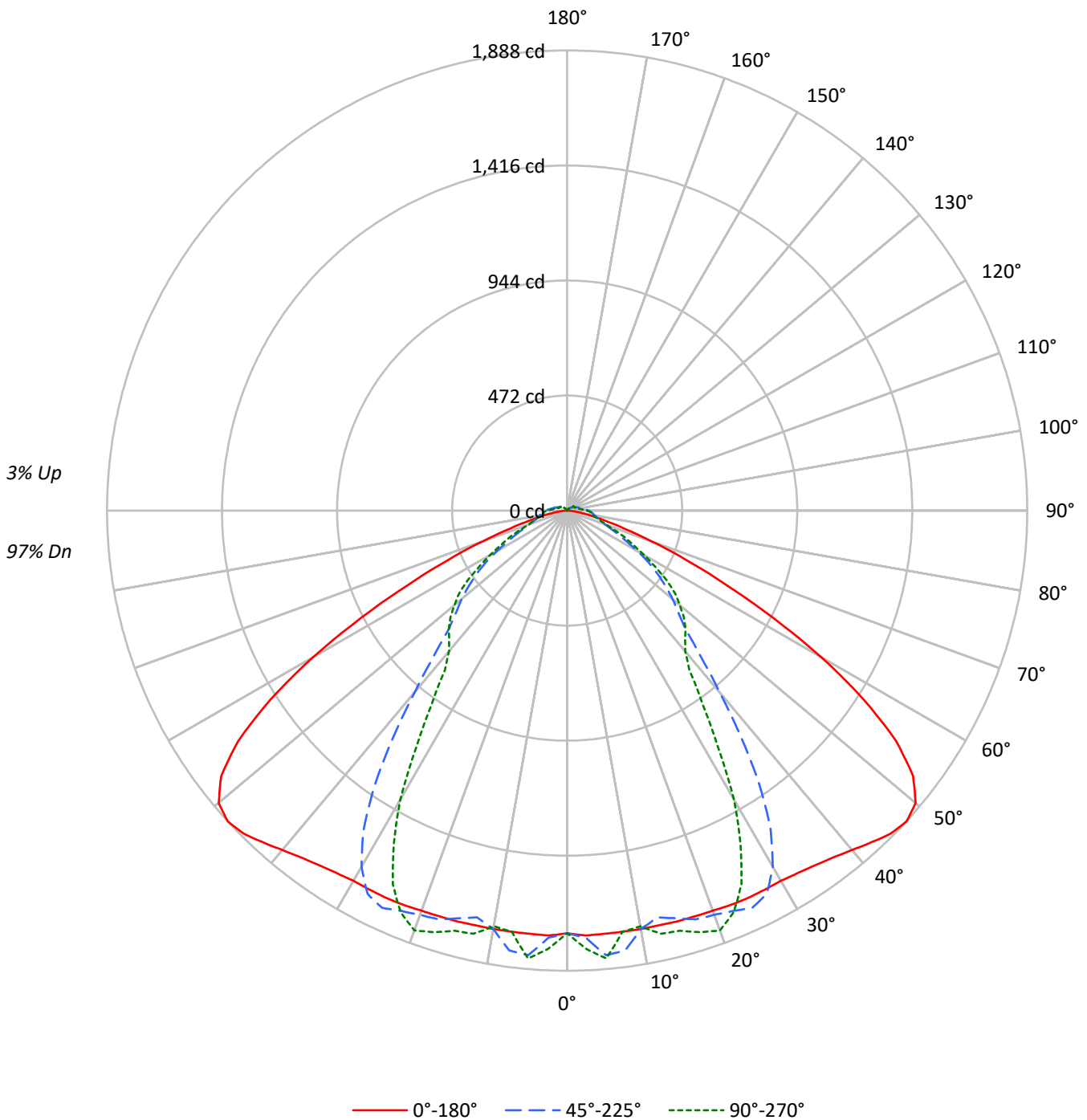
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27939	27939	27939
5°	28088	27825	27433
10°	28308	25238	24087
15°	28788	24126	23481
20°	29512	23864	23048
25°	30586	23794	20515
30°	31864	22029	16155
35°	33942	17887	11194
40°	36945	12634	8615
45°	41022	8985	7827
50°	44570	7549	6897
55°	43687	6199	5750
60°	36245	4691	4300
65°	25046	3395	3160
70°	15592	2582	2166
75°	8807	2200	1714
80°	4974	2059	1474
85°	2215	1994	1478



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	3.9
10°-20°	502.0	11.6
20°-30°	797.6	18.5
30°-40°	860.0	19.9
40°-50°	741.3	17.2
50°-60°	561.2	13.0
60°-70°	303.2	7.0
70°-80°	144.0	3.3
80°-90°	90.4	2.1
90°-100°	57.5	1.3
100°-110°	36.8	0.9
110°-120°	24.6	0.6
120°-130°	16.3	0.4
130°-140°	8.0	0.2
140°-150°	3.4	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1470.0	34.0
0°-40°	2330.1	54.0
0°-60°	3632.5	84.1
0°-90°	4170.1	96.6
90°-120°	119.0	2.8
90°-150°	146.6	3.4
90°-180°	148.0	3.4
0°-180°	4318.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1734	1734	1734	1734	1734	
5°	1743	1780	1831	1855	1844	166
15°	1745	1791	1732	1791	1785	495
25°	1754	1721	1798	1749	1692	811
35°	1776	1710	1378	1054	968	1119
45°	1875	1175	685	678	687	1444
55°	1648	508	453	495	497	1433
65°	716	216	230	258	261	735
75°	164	113	132	132	130	193
85°	18	68	102	102	99	26
90°	0	53	88	86	80	1
95°	0	42	71	64	60	0
105°	0	26	49	44	40	0
115°	0	16	33	33	33	0
125°	0	9	22	29	26	0
135°	0	4	13	16	16	0
145°	0	2	7	9	7	0
155°	0	2	2	4	2	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°	1733.9	1733.9	1733.9	1733.9	1733.9
2.5°	1745.0	1747.2	1753.8	1786.9	1800.2
5°	1742.8	1780.3	1831.1	1855.4	1844.4
7.5°	1742.8	1820.1	1820.1	1773.7	1742.8
10°	1742.8	1842.1	1742.8	1733.9	1731.7
12.5°	1742.8	1828.9	1709.6	1771.5	1778.1
15°	1745.0	1791.3	1731.7	1791.3	1784.7
17.5°	1745.0	1747.2	1758.2	1804.6	1813.4
20°	1747.2	1718.5	1764.8	1839.9	1833.3
22.5°	1751.6	1714.0	1778.1	1824.5	1784.7
25°	1753.8	1720.7	1798.0	1749.4	1691.9
27.5°	1753.8	1729.5	1773.7	1634.5	1539.5
30°	1753.8	1733.9	1687.5	1475.5	1369.5
32.5°	1762.6	1729.5	1555.0	1267.9	1153.0
35°	1775.9	1709.6	1378.3	1053.6	967.5
37.5°	1793.6	1656.6	1170.7	881.3	823.9
40°	1817.9	1541.8	971.9	770.9	753.2
42.5°	1846.6	1373.9	808.4	715.7	715.7
45°	1875.3	1175.1	684.7	678.1	686.9
47.5°	1888.5	980.7	616.3	640.6	649.4
50°	1866.4	799.6	565.5	598.6	603.0
52.5°	1789.1	638.3	508.0	547.8	558.8
55°	1647.8	508.0	452.8	494.8	497.0
57.5°	1442.4	404.2	395.4	428.5	426.3
60°	1206.0	326.9	331.3	364.5	364.5
62.5°	952.0	265.1	278.3	307.0	304.8
65°	715.7	216.5	229.7	258.4	260.6
67.5°	527.9	178.9	194.4	214.3	209.8
70°	368.9	150.2	165.7	176.7	172.3
72.5°	245.2	128.1	145.8	150.2	148.0
75°	163.5	112.6	132.5	132.5	130.3
77.5°	106.0	99.4	123.7	121.5	117.1
80°	66.3	88.4	114.9	110.4	106.0
82.5°	39.8	77.3	108.2	103.8	99.4
85°	17.7	68.5	101.6	101.6	99.4
87.5°	6.6	61.8	95.0	97.2	92.8
90°	0.0	53.0	88.4	86.1	79.5
92.5°	0.0	48.6	79.5	72.9	68.5
95°	0.0	42.0	70.7	64.1	59.6
97.5°	0.0	37.5	64.1	57.4	53.0
100°	0.0	33.1	57.4	50.8	46.4
102.5°	0.0	28.7	53.0	46.4	44.2
105°	0.0	26.5	48.6	44.2	39.8
107.5°	0.0	24.3	44.2	39.8	37.5
110°	0.0	19.9	39.8	37.5	35.3



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CANDELA DISTRIBUTION (continued):

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