

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: P218077

Luminaire Tested: **4SNLED-LD5-37SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218077
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3992.0 lumens
Efficiency: N/A
Efficacy: 144.1 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

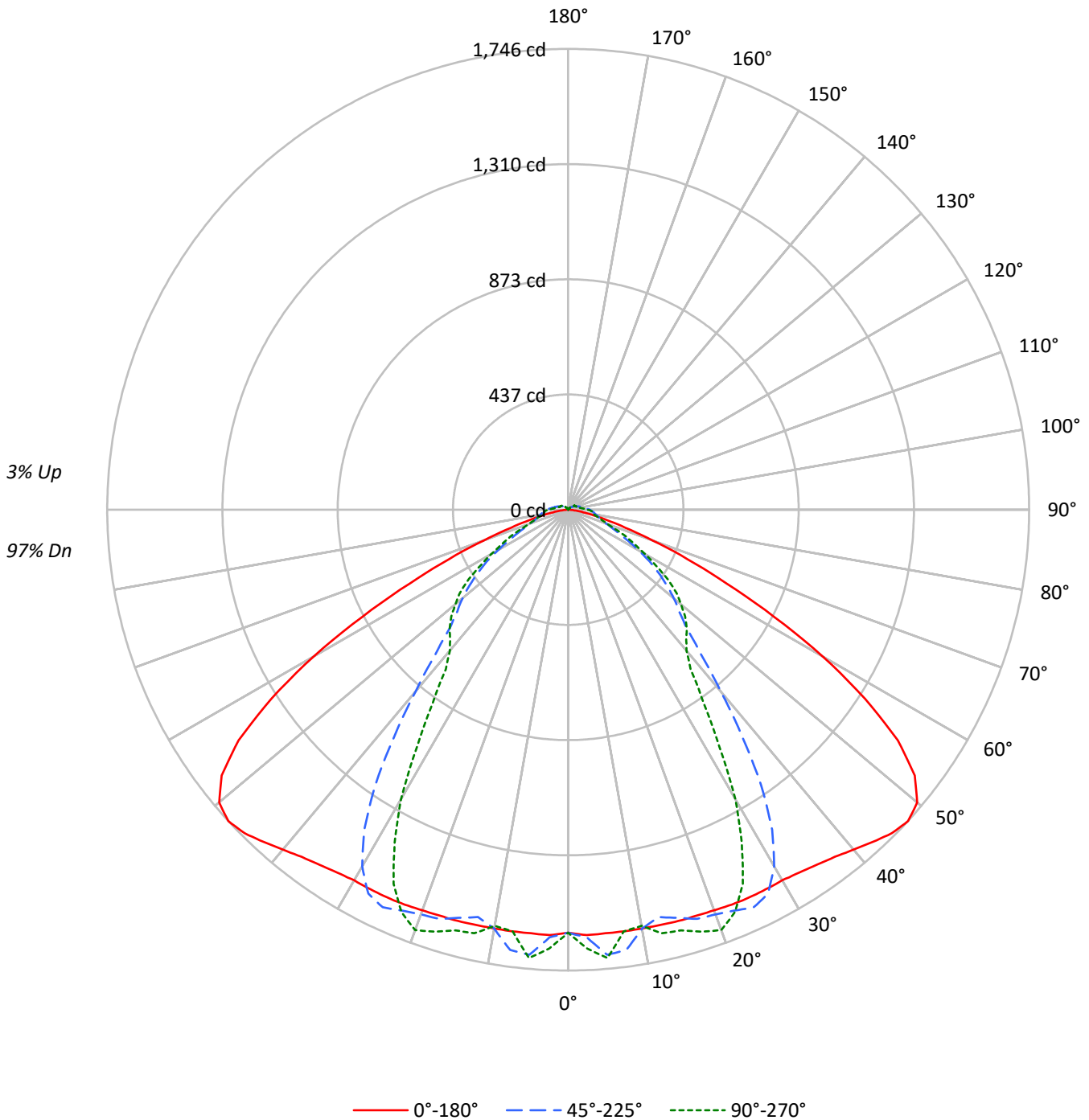
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25830	25830	25830
5°	25967	25725	25361
10°	26170	23332	22269
15°	26614	22305	21709
20°	27284	22063	21308
25°	28277	21997	18966
30°	29458	20366	14935
35°	31379	16536	10348
40°	34155	11680	7964
45°	37924	8306	7236
50°	41205	6979	6376
55°	40389	5731	5316
60°	33510	4337	3974
65°	23153	3139	2922
70°	14412	2387	2003
75°	8139	2034	1585
80°	4599	1903	1363
85°	2040	1843	1367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	3.9
10°-20°	464.1	11.6
20°-30°	737.4	18.5
30°-40°	795.1	19.9
40°-50°	685.3	17.2
50°-60°	518.8	13.0
60°-70°	280.3	7.0
70°-80°	133.1	3.3
80°-90°	83.6	2.1
90°-100°	53.2	1.3
100°-110°	34.0	0.9
110°-120°	22.8	0.6
120°-130°	15.0	0.4
130°-140°	7.4	0.2
140°-150°	3.1	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1359.1	34.0
0°-40°	2154.2	54.0
0°-60°	3358.3	84.1
0°-90°	3855.3	96.6
90°-120°	110.0	2.8
90°-150°	135.5	3.4
90°-180°	137.0	3.4
0°-180°	3992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1603	1603	1603	1603	1603	
5°	1611	1646	1693	1715	1705	154
15°	1613	1656	1601	1656	1650	457
25°	1621	1591	1662	1617	1564	750
35°	1642	1580	1274	974	894	1034
45°	1734	1086	633	627	635	1335
55°	1523	470	419	457	460	1325
65°	662	200	212	239	241	679
75°	151	104	122	122	120	178
85°	16	63	94	94	92	24
90°	0	49	82	80	74	1
95°	0	39	65	59	55	0
105°	0	24	45	41	37	0
115°	0	14	31	31	31	0
125°	0	8	20	26	24	0
135°	0	4	12	14	14	0
145°	0	2	6	8	6	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°	1603.0	1603.0	1603.0	1603.0	1603.0
2.5°	1613.2	1615.3	1621.4	1652.0	1664.3
5°	1611.2	1645.9	1692.9	1715.3	1705.1
7.5°	1611.2	1682.7	1682.7	1639.8	1611.2
10°	1611.2	1703.1	1611.2	1603.0	1601.0
12.5°	1611.2	1690.8	1580.5	1637.7	1643.9
15°	1613.2	1656.1	1601.0	1656.1	1650.0
17.5°	1613.2	1615.3	1625.5	1668.4	1676.5
20°	1615.3	1588.7	1631.6	1701.0	1694.9
22.5°	1619.3	1584.6	1643.9	1686.7	1650.0
25°	1621.4	1590.8	1662.2	1617.3	1564.2
27.5°	1621.4	1598.9	1639.8	1511.1	1423.3
30°	1621.4	1603.0	1560.1	1364.1	1266.1
32.5°	1629.6	1598.9	1437.6	1172.1	1066.0
35°	1641.8	1580.5	1274.2	974.1	894.4
37.5°	1658.1	1531.5	1082.3	814.8	761.7
40°	1680.6	1425.4	898.5	712.7	696.3
42.5°	1707.2	1270.2	747.4	661.6	661.6
45°	1733.7	1086.4	633.0	626.9	635.1
47.5°	1746.0	906.7	569.7	592.2	600.4
50°	1725.5	739.2	522.8	553.4	557.5
52.5°	1654.1	590.2	469.7	506.4	516.6
55°	1523.4	469.7	418.6	457.4	459.5
57.5°	1333.5	373.7	365.5	396.2	394.1
60°	1115.0	302.2	306.3	336.9	336.9
62.5°	880.1	245.0	257.3	283.8	281.8
65°	661.6	200.1	212.4	238.9	241.0
67.5°	488.1	165.4	179.7	198.1	194.0
70°	341.0	138.9	153.2	163.4	159.3
72.5°	226.7	118.4	134.8	138.9	136.8
75°	151.1	104.1	122.5	122.5	120.5
77.5°	98.0	91.9	114.4	112.3	108.2
80°	61.3	81.7	106.2	102.1	98.0
82.5°	36.8	71.5	100.1	96.0	91.9
85°	16.3	63.3	93.9	93.9	91.9
87.5°	6.1	57.2	87.8	89.9	85.8
90°	0.0	49.0	81.7	79.6	73.5
92.5°	0.0	44.9	73.5	67.4	63.3
95°	0.0	38.8	65.3	59.2	55.1
97.5°	0.0	34.7	59.2	53.1	49.0
100°	0.0	30.6	53.1	47.0	42.9
102.5°	0.0	26.5	49.0	42.9	40.8
105°	0.0	24.5	44.9	40.8	36.8
107.5°	0.0	22.5	40.8	36.8	34.7
110°	0.0	18.4	36.8	34.7	32.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.3	32.7	32.7	32.7
115°	0.0	14.3	30.6	30.6	30.6
117.5°	0.0	12.3	26.5	30.6	30.6
120°	0.0	12.3	24.5	28.6	28.6
122.5°	0.0	10.2	22.5	28.6	28.6
125°	0.0	8.2	20.4	26.5	24.5
127.5°	0.0	6.1	18.4	22.5	22.5
130°	0.0	6.1	16.3	20.4	18.4
132.5°	0.0	4.1	14.3	16.3	16.3
135°	0.0	4.1	12.3	14.3	14.3
137.5°	0.0	4.1	10.2	12.3	10.2
140°	0.0	2.0	8.2	10.2	8.2
142.5°	0.0	2.0	8.2	10.2	8.2
145°	0.0	2.0	6.1	8.2	6.1
147.5°	0.0	2.0	4.1	6.1	6.1
150°	0.0	2.0	4.1	6.1	4.1
152.5°	0.0	2.0	4.1	4.1	2.0
155°	0.0	2.0	2.0	4.1	2.0
157.5°	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	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)