

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: P218088

Luminaire Tested: **4SNLED-LD5-49SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218088
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-LD5-49SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5139.0 lumens
Efficiency: N/A
Efficacy: 132.8 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

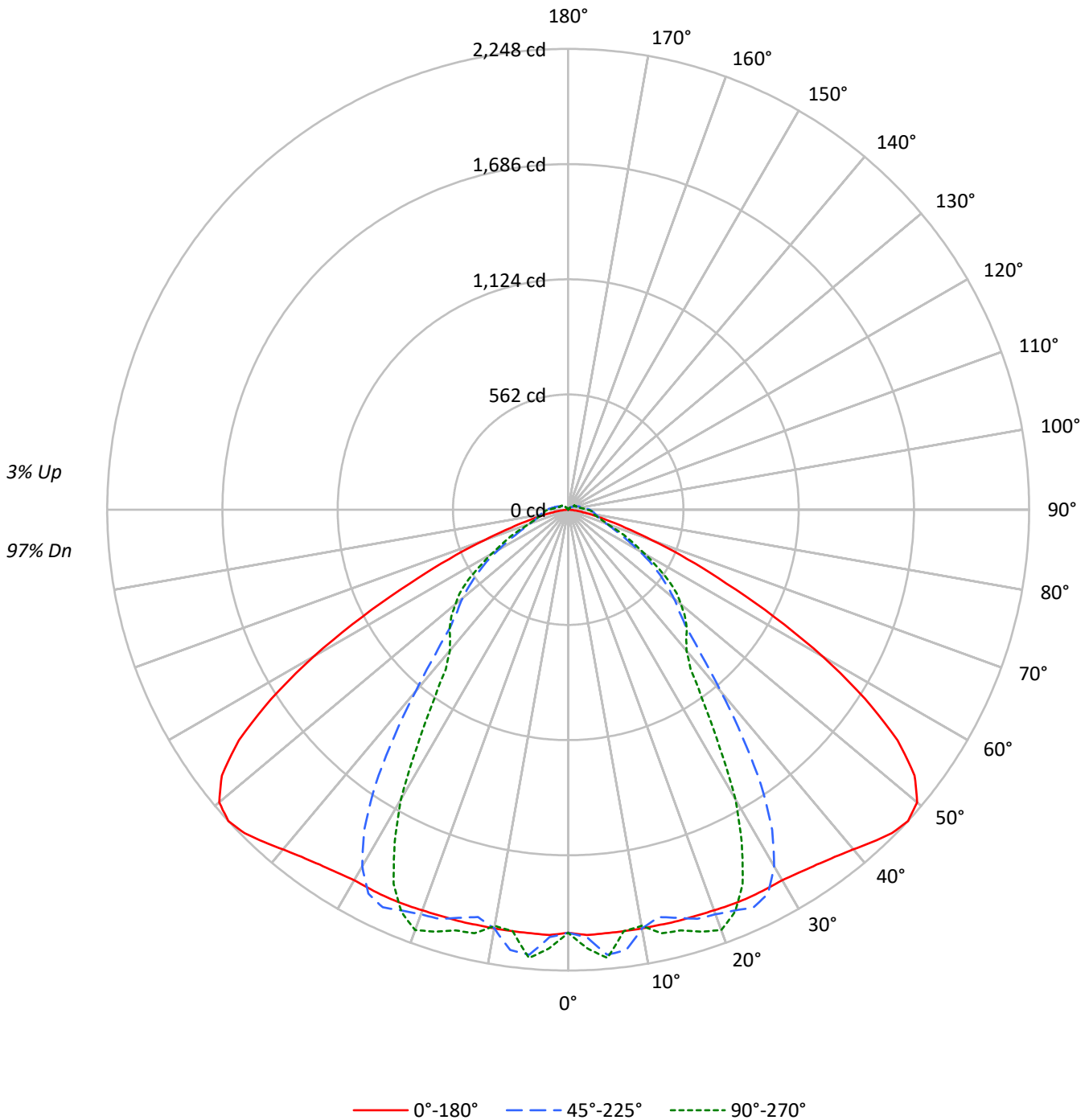
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33252	33252	33252
5°	33427	33116	32648
10°	33689	30036	28668
15°	34260	28714	27946
20°	35123	28402	27431
25°	36402	28318	24416
30°	37923	26219	19225
35°	40394	21288	13322
40°	43969	15037	10253
45°	48820	10693	9316
50°	53045	8984	8209
55°	51994	7378	6844
60°	43136	5583	5116
65°	29805	4041	3761
70°	18554	3072	2577
75°	10477	2619	2041
80°	5920	2450	1755
85°	2628	2373	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	3.9
10°-20°	597.4	11.6
20°-30°	949.3	18.5
30°-40°	1023.6	19.9
40°-50°	882.2	17.2
50°-60°	667.9	13.0
60°-70°	360.8	7.0
70°-80°	171.4	3.3
80°-90°	107.6	2.1
90°-100°	68.5	1.3
100°-110°	43.8	0.9
110°-120°	29.3	0.6
120°-130°	19.4	0.4
130°-140°	9.5	0.2
140°-150°	4.0	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1749.5	34.0
0°-40°	2773.1	54.0
0°-60°	4323.2	84.1
0°-90°	4963.0	96.6
90°-120°	141.6	2.8
90°-150°	174.4	3.4
90°-180°	176.0	3.4
0°-180°	5139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2074	2119	2179	2208	2195	198
15°	2077	2132	2061	2132	2124	589
25°	2087	2048	2140	2082	2014	965
35°	2114	2035	1640	1254	1151	1331
45°	2232	1398	815	807	818	1718
55°	1961	605	539	589	592	1706
65°	852	258	273	308	310	875
75°	194	134	158	158	155	229
85°	21	82	121	121	118	30
90°	0	63	105	102	95	1
95°	0	50	84	76	71	0
105°	0	32	58	53	47	0
115°	0	18	39	39	39	0
125°	0	10	26	34	32	0
135°	0	5	16	18	18	0
145°	0	3	8	10	8	0
155°	0	3	3	5	3	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°	2063.6	2063.6	2063.6	2063.6	2063.6
2.5°	2076.7	2079.4	2087.3	2126.7	2142.5
5°	2074.1	2118.8	2179.3	2208.2	2195.0
7.5°	2074.1	2166.1	2166.1	2110.9	2074.1
10°	2074.1	2192.4	2074.1	2063.6	2061.0
12.5°	2074.1	2176.6	2034.7	2108.3	2116.2
15°	2076.7	2131.9	2061.0	2131.9	2124.1
17.5°	2076.7	2079.4	2092.5	2147.7	2158.2
20°	2079.4	2045.2	2100.4	2189.8	2181.9
22.5°	2084.6	2039.9	2116.2	2171.4	2124.1
25°	2087.3	2047.8	2139.8	2082.0	2013.6
27.5°	2087.3	2058.3	2110.9	1945.3	1832.3
30°	2087.3	2063.6	2008.4	1756.0	1629.8
32.5°	2097.8	2058.3	1850.7	1508.9	1372.2
35°	2113.5	2034.7	1640.4	1253.9	1151.4
37.5°	2134.6	1971.6	1393.3	1048.9	980.5
40°	2163.5	1834.9	1156.7	917.4	896.4
42.5°	2197.7	1635.1	962.1	851.7	851.7
45°	2231.8	1398.5	814.9	807.0	817.6
47.5°	2247.6	1167.2	733.4	762.3	772.9
50°	2221.3	951.6	673.0	712.4	717.7
52.5°	2129.3	759.7	604.6	651.9	665.1
55°	1961.1	604.6	538.9	588.8	591.5
57.5°	1716.6	481.1	470.6	510.0	507.4
60°	1435.3	389.1	394.3	433.7	433.7
62.5°	1133.0	315.5	331.2	365.4	362.8
65°	851.7	257.6	273.4	307.6	310.2
67.5°	628.3	212.9	231.3	255.0	249.7
70°	439.0	178.8	197.2	210.3	205.0
72.5°	291.8	152.5	173.5	178.8	176.1
75°	194.5	134.1	157.7	157.7	155.1
77.5°	126.2	118.3	147.2	144.6	139.3
80°	78.9	105.2	136.7	131.4	126.2
82.5°	47.3	92.0	128.8	123.6	118.3
85°	21.0	81.5	120.9	120.9	118.3
87.5°	7.9	73.6	113.0	115.7	110.4
90°	0.0	63.1	105.2	102.5	94.6
92.5°	0.0	57.8	94.6	86.7	81.5
95°	0.0	49.9	84.1	76.2	71.0
97.5°	0.0	44.7	76.2	68.3	63.1
100°	0.0	39.4	68.3	60.5	55.2
102.5°	0.0	34.2	63.1	55.2	52.6
105°	0.0	31.5	57.8	52.6	47.3
107.5°	0.0	28.9	52.6	47.3	44.7
110°	0.0	23.7	47.3	44.7	42.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.0	42.1	42.1	42.1
115°	0.0	18.4	39.4	39.4	39.4
117.5°	0.0	15.8	34.2	39.4	39.4
120°	0.0	15.8	31.5	36.8	36.8
122.5°	0.0	13.1	28.9	36.8	36.8
125°	0.0	10.5	26.3	34.2	31.5
127.5°	0.0	7.9	23.7	28.9	28.9
130°	0.0	7.9	21.0	26.3	23.7
132.5°	0.0	5.3	18.4	21.0	21.0
135°	0.0	5.3	15.8	18.4	18.4
137.5°	0.0	5.3	13.1	15.8	13.1
140°	0.0	2.6	10.5	13.1	10.5
142.5°	0.0	2.6	10.5	13.1	10.5
145°	0.0	2.6	7.9	10.5	7.9
147.5°	0.0	2.6	5.3	7.9	7.9
150°	0.0	2.6	5.3	7.9	5.3
152.5°	0.0	2.6	5.3	5.3	2.6
155°	0.0	2.6	2.6	5.3	2.6
157.5°	0.0	2.6	2.6	2.6	2.6
160°	2.6	2.6	2.6	2.6	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)