

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: P218208

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218208
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-LD5-49SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4989.0 lumens
Efficiency: N/A
Efficacy: 128.9 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

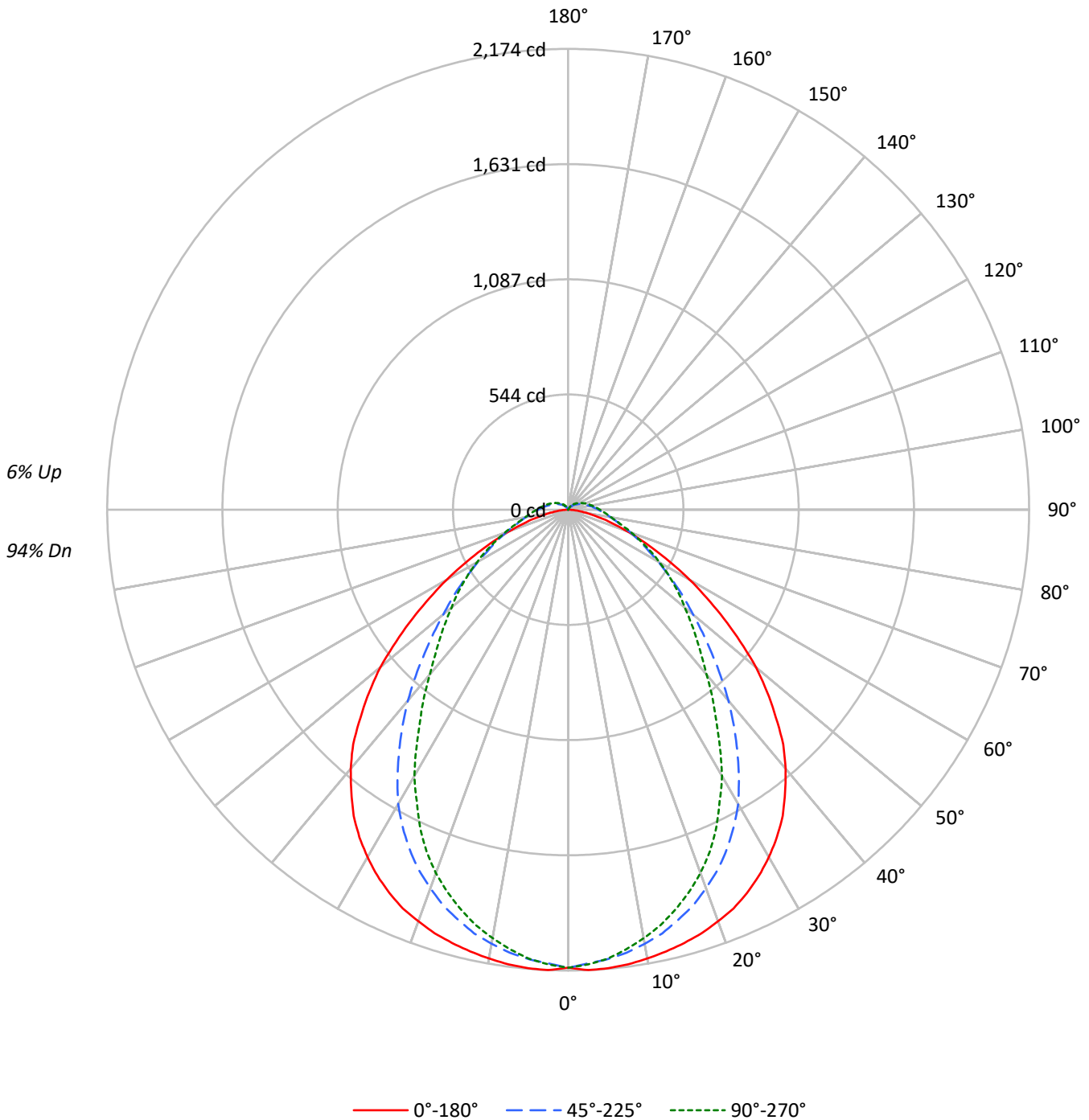
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34815	34815	34815
5°	34990	32354	31628
10°	34923	30108	28554
15°	34907	27905	25695
20°	34897	25698	22934
25°	34793	23410	20047
30°	34384	20932	17115
35°	33709	18045	14080
40°	32425	15273	11605
45°	30301	12555	9734
50°	27617	10246	8208
55°	23763	8457	6995
60°	19908	6923	5860
65°	15821	5749	4844
70°	12333	4833	3998
75°	9346	4103	3319
80°	6505	3627	2851
85°	3942	3301	2581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.1	4.1
10°-20°	570.1	11.4
20°-30°	825.5	16.5
30°-40°	898.5	18.0
40°-50°	798.0	16.0
50°-60°	607.4	12.2
60°-70°	403.3	8.1
70°-80°	245.7	4.9
80°-90°	152.3	3.1
90°-100°	104.0	2.1
100°-110°	73.0	1.5
110°-120°	49.7	1.0
120°-130°	31.5	0.6
130°-140°	17.9	0.4
140°-150°	8.4	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1598.7	32.0
0°-40°	2497.2	50.1
0°-60°	3902.6	78.2
0°-90°	4703.8	94.3
90°-120°	226.7	4.5
90°-150°	284.6	5.7
90°-180°	285.0	5.7
0°-180°	4989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2161	2161	2161	2161	2161	
5°	2171	2158	2129	2140	2126	207
15°	2116	2079	2003	1979	1953	598
25°	1995	1906	1769	1698	1653	919
35°	1764	1606	1390	1270	1217	1099
45°	1385	1178	957	875	854	1067
55°	896	728	618	607	605	804
65°	452	389	389	405	400	456
75°	174	197	247	260	252	188
85°	32	100	168	179	174	38
90°	0	74	142	155	150	2
95°	0	58	121	134	131	0
105°	0	37	87	100	100	0
115°	0	24	63	76	74	0
125°	0	16	42	53	53	0
135°	0	10	29	37	37	0
145°	0	5	16	21	21	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°	2160.6	2160.6	2160.6	2160.6	2160.6
2.5°	2173.8	2163.2	2142.2	2155.4	2147.5
5°	2171.1	2158.0	2129.1	2139.6	2126.4
7.5°	2163.2	2147.5	2108.0	2113.3	2092.3
10°	2150.1	2129.1	2079.1	2073.9	2052.8
12.5°	2134.3	2108.0	2047.6	2029.2	2008.2
15°	2115.9	2079.1	2002.9	1979.2	1953.0
17.5°	2094.9	2045.0	1958.2	1921.4	1892.5
20°	2066.0	2005.5	1900.4	1855.7	1824.2
22.5°	2037.1	1958.2	1839.9	1779.5	1745.3
25°	1995.0	1905.7	1769.0	1698.0	1653.3
27.5°	1947.7	1845.2	1690.1	1598.1	1548.2
30°	1892.5	1774.2	1603.4	1495.6	1450.9
32.5°	1832.1	1695.4	1498.2	1382.6	1332.6
35°	1763.7	1606.0	1390.5	1269.6	1217.0
37.5°	1679.6	1508.8	1282.7	1159.2	1117.1
40°	1595.5	1406.2	1174.9	1059.3	1014.6
42.5°	1500.9	1293.2	1064.5	959.4	927.9
45°	1385.2	1177.6	956.8	875.3	854.3
47.5°	1272.2	1059.3	859.5	801.7	783.3
50°	1156.5	943.6	767.5	730.7	717.6
52.5°	1022.5	830.6	691.3	667.6	662.4
55°	896.3	728.1	617.7	607.2	604.6
57.5°	775.4	630.8	549.4	557.2	552.0
60°	662.4	541.5	488.9	499.4	496.8
62.5°	552.0	460.0	433.7	454.7	449.5
65°	452.1	389.0	389.0	404.8	399.5
67.5°	365.4	331.2	347.0	362.7	357.5
70°	291.8	278.6	310.2	323.3	318.0
72.5°	226.0	233.9	273.4	289.1	281.2
75°	173.5	197.1	247.1	260.2	252.3
77.5°	123.5	165.6	223.4	233.9	226.0
80°	86.7	139.3	202.4	212.9	205.0
82.5°	55.2	118.3	184.0	194.5	189.3
85°	31.5	99.9	168.2	178.7	173.5
87.5°	15.8	86.7	152.5	165.6	160.3
90°	0.0	73.6	141.9	155.1	149.8
92.5°	0.0	65.7	131.4	144.6	139.3
95°	0.0	57.8	120.9	134.1	131.4
97.5°	0.0	52.6	113.0	126.2	120.9
100°	0.0	44.7	102.5	115.7	113.0
102.5°	0.0	42.1	94.6	107.8	105.1
105°	0.0	36.8	86.7	99.9	99.9
107.5°	0.0	34.2	81.5	94.6	92.0
110°	0.0	28.9	73.6	86.7	86.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.3	68.3	81.5	78.9
115°	0.0	23.7	63.1	76.2	73.6
117.5°	0.0	23.7	57.8	68.3	68.3
120°	0.0	21.0	52.6	63.1	63.1
122.5°	0.0	18.4	47.3	57.8	57.8
125°	0.0	15.8	42.1	52.6	52.6
127.5°	0.0	15.8	39.4	49.9	49.9
130°	0.0	13.1	34.2	44.7	44.7
132.5°	0.0	10.5	31.5	39.4	39.4
135°	0.0	10.5	28.9	36.8	36.8
137.5°	0.0	7.9	23.7	31.5	31.5
140°	0.0	7.9	21.0	28.9	28.9
142.5°	0.0	5.3	18.4	26.3	23.7
145°	0.0	5.3	15.8	21.0	21.0
147.5°	0.0	2.6	13.1	18.4	18.4
150°	0.0	2.6	10.5	15.8	13.1
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)