

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: P218235

Luminaire Tested: **4SNLED-LD5-64SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218235
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-LD5-64SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6034.0 lumens
Efficiency: N/A
Efficacy: 109.9 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

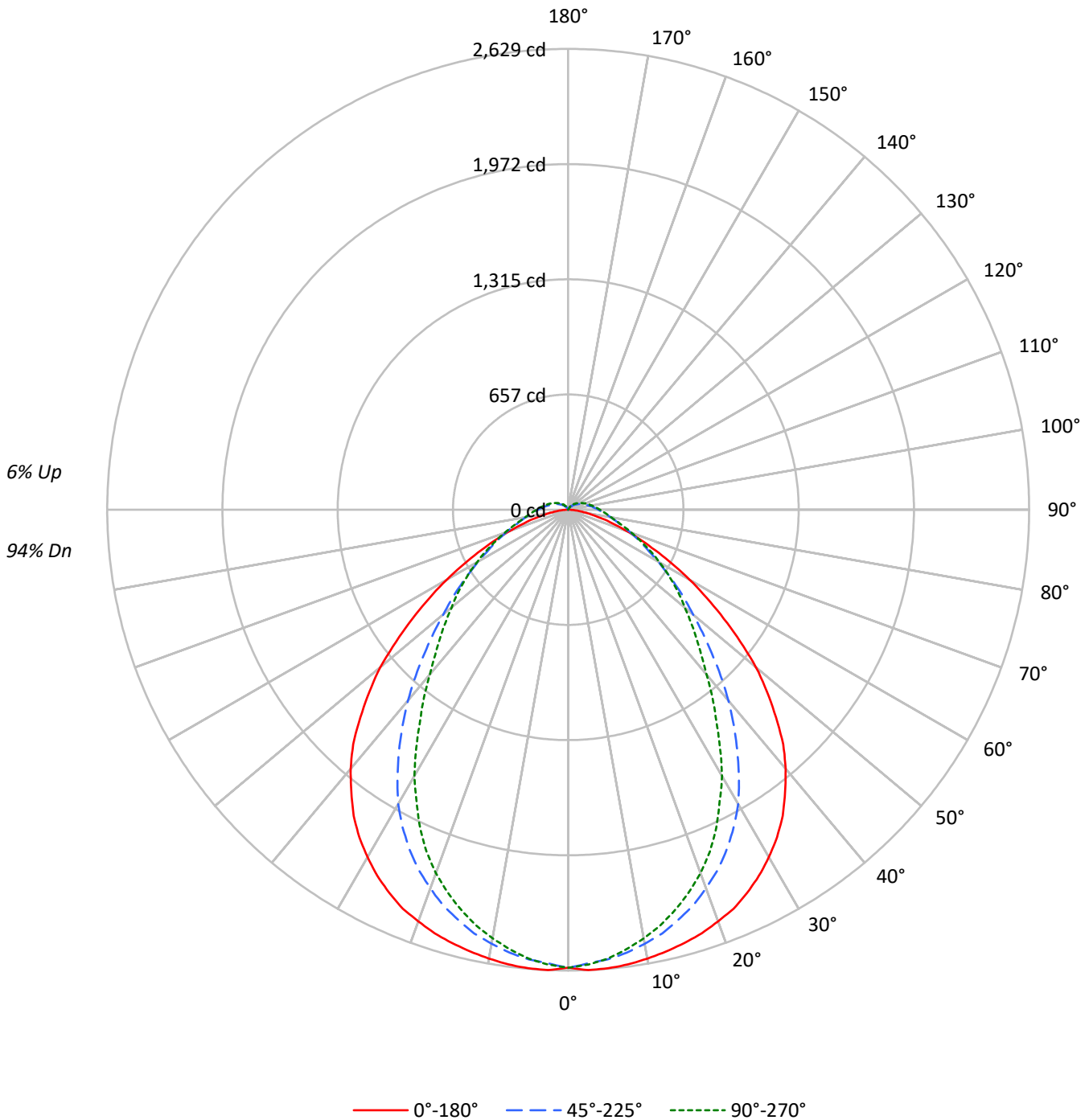
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42108	42108	42108
5°	42320	39129	38254
10°	42239	36415	34535
15°	42219	33749	31076
20°	42206	31081	27738
25°	42081	28314	24246
30°	41586	25315	20700
35°	40769	21824	17030
40°	39217	18473	14035
45°	36649	15185	11772
50°	33404	12392	9927
55°	28742	10228	8460
60°	24076	8373	7087
65°	19135	6954	5859
70°	14915	5844	4836
75°	11301	4962	4015
80°	7871	4387	3450
85°	4769	3994	3121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	4.1
10°-20°	689.5	11.4
20°-30°	998.4	16.5
30°-40°	1086.7	18.0
40°-50°	965.1	16.0
50°-60°	734.6	12.2
60°-70°	487.7	8.1
70°-80°	297.2	4.9
80°-90°	184.2	3.1
90°-100°	125.8	2.1
100°-110°	88.3	1.5
110°-120°	60.1	1.0
120°-130°	38.1	0.6
130°-140°	21.7	0.4
140°-150°	10.2	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1933.6	32.0
0°-40°	3020.3	50.1
0°-60°	4720.0	78.2
0°-90°	5689.1	94.3
90°-120°	274.2	4.5
90°-150°	344.2	5.7
90°-180°	345.0	5.7
0°-180°	6034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2613	2613	2613	2613	2613	
5°	2626	2610	2575	2588	2572	250
15°	2559	2515	2422	2394	2362	723
25°	2413	2305	2140	2054	2000	1111
35°	2133	1942	1682	1536	1472	1329
45°	1675	1424	1157	1059	1033	1290
55°	1084	881	747	734	731	972
65°	547	470	470	490	483	551
75°	210	238	299	315	305	227
85°	38	121	204	216	210	45
90°	0	89	172	188	181	3
95°	0	70	146	162	159	0
105°	0	44	105	121	121	0
115°	0	29	76	92	89	0
125°	0	19	51	64	64	0
135°	0	13	35	44	44	0
145°	0	6	19	25	25	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°	2613.2	2613.2	2613.2	2613.2	2613.2
2.5°	2629.1	2616.4	2590.9	2606.8	2597.3
5°	2625.9	2610.0	2575.0	2587.7	2571.9
7.5°	2616.4	2597.3	2549.6	2556.0	2530.5
10°	2600.5	2575.0	2514.6	2508.3	2482.8
12.5°	2581.4	2549.6	2476.5	2454.2	2428.8
15°	2559.1	2514.6	2422.4	2393.8	2362.0
17.5°	2533.7	2473.3	2368.4	2323.9	2288.9
20°	2498.7	2425.6	2298.5	2244.4	2206.3
22.5°	2463.8	2368.4	2225.3	2152.2	2110.9
25°	2412.9	2304.8	2139.5	2053.7	1999.6
27.5°	2355.7	2231.7	2044.1	1932.9	1872.5
30°	2288.9	2145.9	1939.2	1808.9	1754.8
32.5°	2215.8	2050.5	1812.1	1672.2	1611.8
35°	2133.1	1942.4	1681.7	1535.5	1471.9
37.5°	2031.4	1824.8	1551.4	1402.0	1351.1
40°	1929.7	1700.8	1421.0	1281.2	1227.1
42.5°	1815.2	1564.1	1287.5	1160.4	1122.2
45°	1675.4	1424.2	1157.2	1058.6	1033.2
47.5°	1538.7	1281.2	1039.5	969.6	947.4
50°	1398.8	1141.3	928.3	883.8	867.9
52.5°	1236.7	1004.6	836.1	807.5	801.1
55°	1084.1	880.6	747.1	734.4	731.2
57.5°	937.8	763.0	664.4	674.0	667.6
60°	801.1	654.9	591.3	604.0	600.8
62.5°	667.6	556.3	524.5	550.0	543.6
65°	546.8	470.5	470.5	489.6	483.2
67.5°	441.9	400.6	419.6	438.7	432.4
70°	352.9	337.0	375.1	391.0	384.7
72.5°	273.4	282.9	330.6	349.7	340.2
75°	209.8	238.4	298.8	314.7	305.2
77.5°	149.4	200.3	270.2	282.9	273.4
80°	104.9	168.5	244.8	257.5	248.0
82.5°	66.8	143.1	222.5	235.2	228.9
85°	38.1	120.8	203.5	216.2	209.8
87.5°	19.1	104.9	184.4	200.3	193.9
90°	0.0	89.0	171.7	187.6	181.2
92.5°	0.0	79.5	159.0	174.8	168.5
95°	0.0	69.9	146.2	162.1	159.0
97.5°	0.0	63.6	136.7	152.6	146.2
100°	0.0	54.0	124.0	139.9	136.7
102.5°	0.0	50.9	114.4	130.3	127.2
105°	0.0	44.5	104.9	120.8	120.8
107.5°	0.0	41.3	98.6	114.4	111.3
110°	0.0	35.0	89.0	104.9	104.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.8	82.7	98.6	95.4
115°	0.0	28.6	76.3	92.2	89.0
117.5°	0.0	28.6	69.9	82.7	82.7
120°	0.0	25.4	63.6	76.3	76.3
122.5°	0.0	22.3	57.2	69.9	69.9
125°	0.0	19.1	50.9	63.6	63.6
127.5°	0.0	19.1	47.7	60.4	60.4
130°	0.0	15.9	41.3	54.0	54.0
132.5°	0.0	12.7	38.1	47.7	47.7
135°	0.0	12.7	35.0	44.5	44.5
137.5°	0.0	9.5	28.6	38.1	38.1
140°	0.0	9.5	25.4	35.0	35.0
142.5°	0.0	6.4	22.3	31.8	28.6
145°	0.0	6.4	19.1	25.4	25.4
147.5°	0.0	3.2	15.9	22.3	22.3
150°	0.0	3.2	12.7	19.1	15.9
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)