

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: P218237

Luminaire Tested: **4SNLED-LD5-64SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218237  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6539.0 lumens  
Efficiency: N/A  
Efficacy: 119.1 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

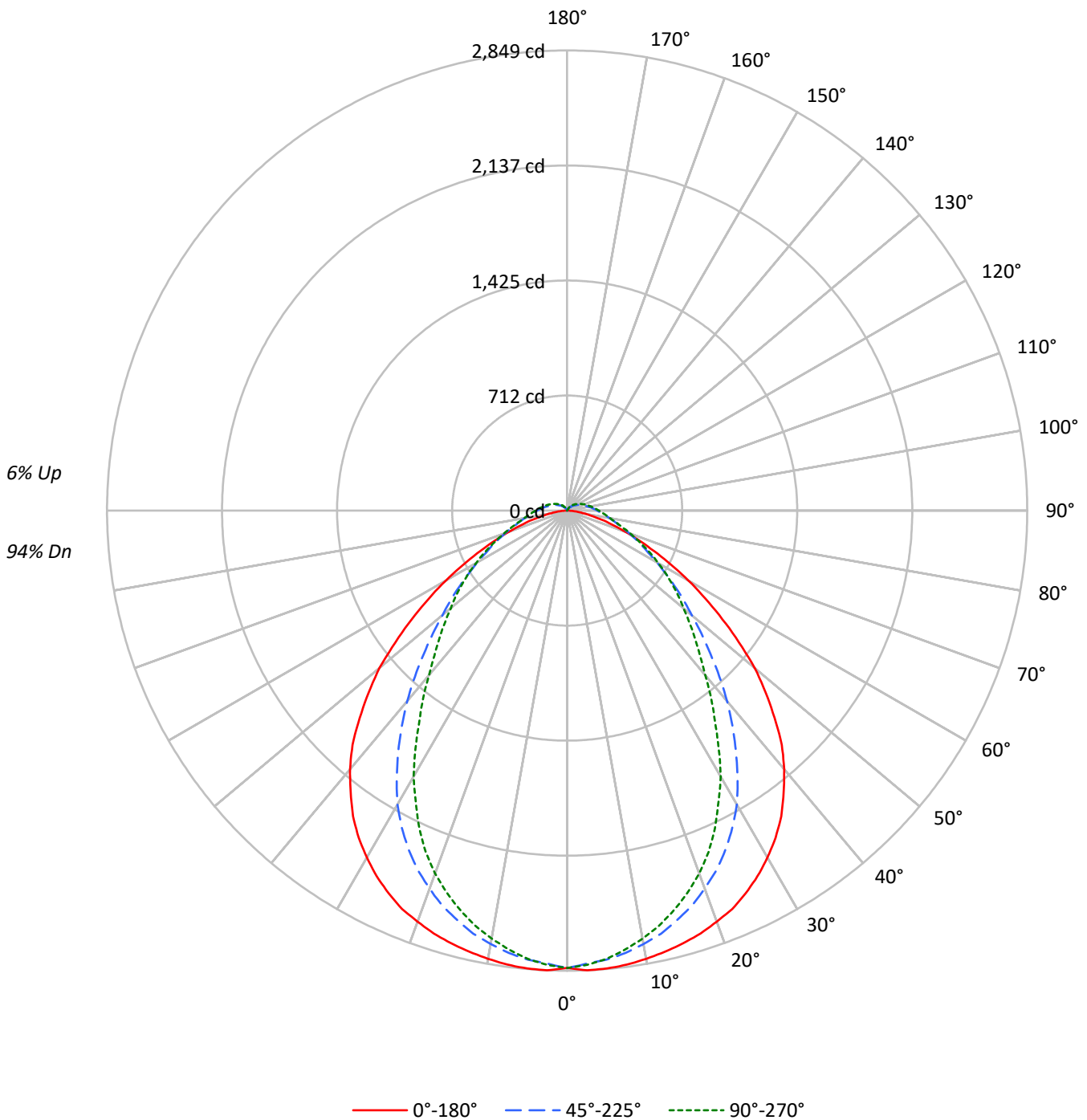
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	45632	45632	45632
5°	45862	42404	41455
10°	45773	39463	37425
15°	45753	36575	33677
20°	45739	33681	30058
25°	45602	30684	26276
30°	45067	27434	22432
35°	44182	23651	18455
40°	42499	20020	15210
45°	39716	16455	12758
50°	36198	13429	10757
55°	31147	11084	9168
60°	26093	9074	7680
65°	20738	7536	6350
70°	16162	6333	5241
75°	12249	5377	4351
80°	8531	4755	3738
85°	5169	4328	3382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.2	4.1
10°-20°	747.2	11.4
20°-30°	1082.0	16.5
30°-40°	1177.6	18.0
40°-50°	1045.9	16.0
50°-60°	796.1	12.2
60°-70°	528.6	8.1
70°-80°	322.1	4.9
80°-90°	199.6	3.1
90°-100°	136.3	2.1
100°-110°	95.7	1.5
110°-120°	65.2	1.0
120°-130°	41.3	0.6
130°-140°	23.5	0.4
140°-150°	11.0	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2095.4	32.0
0°-40°	3273.1	50.1
0°-60°	5115.0	78.2
0°-90°	6165.2	94.3
90°-120°	297.2	4.5
90°-150°	373.0	5.7
90°-180°	374.0	5.7
0°-180°	6539.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2832	2832	2832	2832	2832	
5°	2846	2828	2790	2804	2787	271
15°	2773	2725	2625	2594	2560	784
25°	2615	2498	2319	2226	2167	1204
35°	2312	2105	1822	1664	1595	1440
45°	1816	1543	1254	1147	1120	1398
55°	1175	954	810	796	792	1054
65°	593	510	510	530	524	598
75°	227	258	324	341	331	246
85°	41	131	220	234	227	49
90°	0	96	186	203	196	3
95°	0	76	158	176	172	0
105°	0	48	114	131	131	0
115°	0	31	83	100	96	0
125°	0	21	55	69	69	0
135°	0	14	38	48	48	0
145°	0	7	21	28	28	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°	2831.9	2831.9	2831.9	2831.9	2831.9
2.5°	2849.1	2835.3	2807.8	2825.0	2814.7
5°	2845.7	2828.4	2790.5	2804.3	2787.1
7.5°	2835.3	2814.7	2763.0	2769.9	2742.3
10°	2818.1	2790.5	2725.1	2718.2	2690.6
12.5°	2797.4	2763.0	2683.7	2659.6	2632.1
15°	2773.3	2725.1	2625.2	2594.2	2559.7
17.5°	2745.8	2680.3	2566.6	2518.4	2480.5
20°	2707.9	2628.6	2490.8	2432.2	2390.9
22.5°	2670.0	2566.6	2411.6	2332.3	2287.6
25°	2614.8	2497.7	2318.6	2225.5	2167.0
27.5°	2552.8	2418.5	2215.2	2094.6	2029.2
30°	2480.5	2325.5	2101.5	1960.3	1901.7
32.5°	2401.2	2222.1	1963.7	1812.1	1746.7
35°	2311.7	2105.0	1822.5	1664.0	1595.1
37.5°	2201.4	1977.5	1681.2	1519.3	1464.2
40°	2091.2	1843.1	1540.0	1388.4	1329.8
42.5°	1967.2	1695.0	1395.3	1257.5	1216.1
45°	1815.6	1543.4	1254.0	1147.2	1119.7
47.5°	1667.4	1388.4	1126.6	1050.8	1026.6
50°	1515.8	1236.8	1006.0	957.7	940.5
52.5°	1340.1	1088.7	906.1	875.1	868.2
55°	1174.8	954.3	809.6	795.8	792.4
57.5°	1016.3	826.8	720.0	730.4	723.5
60°	868.2	709.7	640.8	654.6	651.1
62.5°	723.5	602.9	568.4	596.0	589.1
65°	592.6	509.9	509.9	530.5	523.7
67.5°	478.9	434.1	454.8	475.4	468.5
70°	382.4	365.2	406.5	423.7	416.9
72.5°	296.3	306.6	358.3	379.0	368.6
75°	227.4	258.4	323.8	341.1	330.7
77.5°	161.9	217.0	292.8	306.6	296.3
80°	113.7	182.6	265.3	279.1	268.7
82.5°	72.3	155.0	241.2	254.9	248.0
85°	41.3	130.9	220.5	234.3	227.4
87.5°	20.7	113.7	199.8	217.0	210.2
90°	0.0	96.5	186.0	203.3	196.4
92.5°	0.0	86.1	172.3	189.5	182.6
95°	0.0	75.8	158.5	175.7	172.3
97.5°	0.0	68.9	148.1	165.4	158.5
100°	0.0	58.6	134.4	151.6	148.1
102.5°	0.0	55.1	124.0	141.2	137.8
105°	0.0	48.2	113.7	130.9	130.9
107.5°	0.0	44.8	106.8	124.0	120.6
110°	0.0	37.9	96.5	113.7	113.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.5	89.6	106.8	103.4
115°	0.0	31.0	82.7	99.9	96.5
117.5°	0.0	31.0	75.8	89.6	89.6
120°	0.0	27.6	68.9	82.7	82.7
122.5°	0.0	24.1	62.0	75.8	75.8
125°	0.0	20.7	55.1	68.9	68.9
127.5°	0.0	20.7	51.7	65.5	65.5
130°	0.0	17.2	44.8	58.6	58.6
132.5°	0.0	13.8	41.3	51.7	51.7
135°	0.0	13.8	37.9	48.2	48.2
137.5°	0.0	10.3	31.0	41.3	41.3
140°	0.0	10.3	27.6	37.9	37.9
142.5°	0.0	6.9	24.1	34.5	31.0
145°	0.0	6.9	20.7	27.6	27.6
147.5°	0.0	3.4	17.2	24.1	24.1
150°	0.0	3.4	13.8	20.7	17.2
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)