

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: P218117

Luminaire Tested: **4SNLED-LD5-66SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218117
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-LD5-66SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6735.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

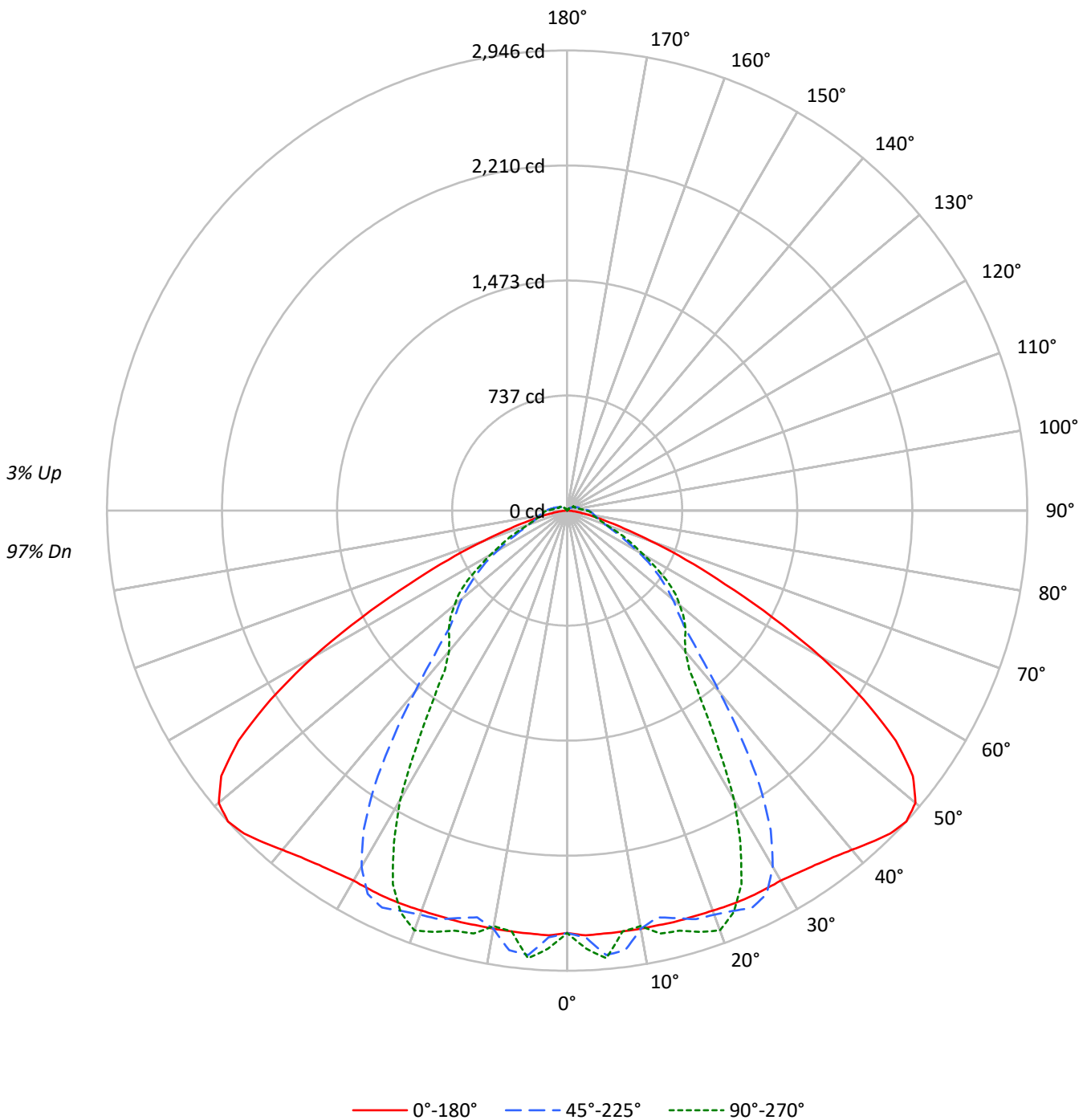
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	56	65	60	56	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°	43579	43579	43579
5°	43809	43401	42788
10°	44152	39364	37570
15°	44901	37631	36624
20°	46030	37223	35950
25°	47707	37113	31999
30°	49700	34361	25196
35°	52939	27899	17459
40°	57624	19706	13437
45°	63984	14014	12209
50°	69520	11774	10757
55°	68140	9670	8969
60°	56535	7318	6706
65°	39061	5296	4929
70°	24315	4026	3378
75°	13730	3432	2675
80°	7758	3212	2301
85°	3454	3111	2305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	3.9
10°-20°	783.0	11.6
20°-30°	1244.1	18.5
30°-40°	1341.4	19.9
40°-50°	1156.2	17.2
50°-60°	875.3	13.0
60°-70°	472.9	7.0
70°-80°	224.6	3.3
80°-90°	141.0	2.1
90°-100°	89.7	1.3
100°-110°	57.4	0.9
110°-120°	38.4	0.6
120°-130°	25.4	0.4
130°-140°	12.4	0.2
140°-150°	5.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2292.9	34.0
0°-40°	3634.3	54.0
0°-60°	5665.8	84.1
0°-90°	6504.3	96.6
90°-120°	185.6	2.8
90°-150°	228.6	3.4
90°-180°	231.0	3.4
0°-180°	6735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2704	2704	2704	2704	2704	
5°	2718	2777	2856	2894	2877	259
15°	2722	2794	2701	2794	2784	771
25°	2736	2684	2804	2729	2639	1265
35°	2770	2667	2150	1643	1509	1745
45°	2925	1833	1068	1058	1072	2252
55°	2570	792	706	772	775	2235
65°	1116	338	358	403	406	1146
75°	255	176	207	207	203	300
85°	28	107	158	158	155	40
90°	0	83	138	134	124	1
95°	0	66	110	100	93	0
105°	0	41	76	69	62	0
115°	0	24	52	52	52	0
125°	0	14	34	45	41	0
135°	0	7	21	24	24	0
145°	0	3	10	14	10	0
155°	0	3	3	7	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°	2704.5	2704.5	2704.5	2704.5	2704.5
2.5°	2721.7	2725.1	2735.5	2787.2	2807.8
5°	2718.3	2776.8	2856.1	2894.0	2876.7
7.5°	2718.3	2838.8	2838.8	2766.5	2718.3
10°	2718.3	2873.3	2718.3	2704.5	2701.0
12.5°	2718.3	2852.6	2666.6	2763.0	2773.4
15°	2721.7	2794.1	2701.0	2794.1	2783.7
17.5°	2721.7	2725.1	2742.4	2814.7	2828.5
20°	2725.1	2680.4	2752.7	2869.8	2859.5
22.5°	2732.0	2673.5	2773.4	2845.7	2783.7
25°	2735.5	2683.8	2804.4	2728.6	2639.0
27.5°	2735.5	2697.6	2766.5	2549.4	2401.3
30°	2735.5	2704.5	2632.1	2301.4	2136.0
32.5°	2749.3	2697.6	2425.4	1977.5	1798.4
35°	2769.9	2666.6	2149.8	1643.4	1509.0
37.5°	2797.5	2583.9	1826.0	1374.6	1285.1
40°	2835.4	2404.7	1515.9	1202.4	1174.8
42.5°	2880.2	2142.9	1260.9	1116.2	1116.2
45°	2925.0	1832.8	1068.0	1057.7	1071.5
47.5°	2945.6	1529.7	961.2	999.1	1012.9
50°	2911.2	1247.2	882.0	933.6	940.5
52.5°	2790.6	995.7	792.4	854.4	871.6
55°	2570.1	792.4	706.3	771.7	775.2
57.5°	2249.7	630.5	616.7	668.4	664.9
60°	1881.1	509.9	516.8	568.5	568.5
62.5°	1484.9	413.4	434.1	478.9	475.4
65°	1116.2	337.6	358.3	403.1	406.5
67.5°	823.4	279.1	303.2	334.2	327.3
70°	575.3	234.3	258.4	275.6	268.7
72.5°	382.4	199.8	227.4	234.3	230.8
75°	254.9	175.7	206.7	206.7	203.3
77.5°	165.4	155.0	192.9	189.5	182.6
80°	103.4	137.8	179.2	172.3	165.4
82.5°	62.0	120.6	168.8	161.9	155.0
85°	27.6	106.8	158.5	158.5	155.0
87.5°	10.3	96.5	148.1	151.6	144.7
90°	0.0	82.7	137.8	134.4	124.0
92.5°	0.0	75.8	124.0	113.7	106.8
95°	0.0	65.5	110.2	99.9	93.0
97.5°	0.0	58.6	99.9	89.6	82.7
100°	0.0	51.7	89.6	79.2	72.3
102.5°	0.0	44.8	82.7	72.3	68.9
105°	0.0	41.3	75.8	68.9	62.0
107.5°	0.0	37.9	68.9	62.0	58.6
110°	0.0	31.0	62.0	58.6	55.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.6	55.1	55.1	55.1
115°	0.0	24.1	51.7	51.7	51.7
117.5°	0.0	20.7	44.8	51.7	51.7
120°	0.0	20.7	41.3	48.2	48.2
122.5°	0.0	17.2	37.9	48.2	48.2
125°	0.0	13.8	34.5	44.8	41.3
127.5°	0.0	10.3	31.0	37.9	37.9
130°	0.0	10.3	27.6	34.5	31.0
132.5°	0.0	6.9	24.1	27.6	27.6
135°	0.0	6.9	20.7	24.1	24.1
137.5°	0.0	6.9	17.2	20.7	17.2
140°	0.0	3.4	13.8	17.2	13.8
142.5°	0.0	3.4	13.8	17.2	13.8
145°	0.0	3.4	10.3	13.8	10.3
147.5°	0.0	3.4	6.9	10.3	10.3
150°	0.0	3.4	6.9	10.3	6.9
152.5°	0.0	3.4	6.9	6.9	3.4
155°	0.0	3.4	3.4	6.9	3.4
157.5°	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	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)