

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: P218177

Luminaire Tested: **4SNLED-LD5-18SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218177
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-LD5-18SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1936.0 lumens
Efficiency: N/A
Efficacy: 132.6 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

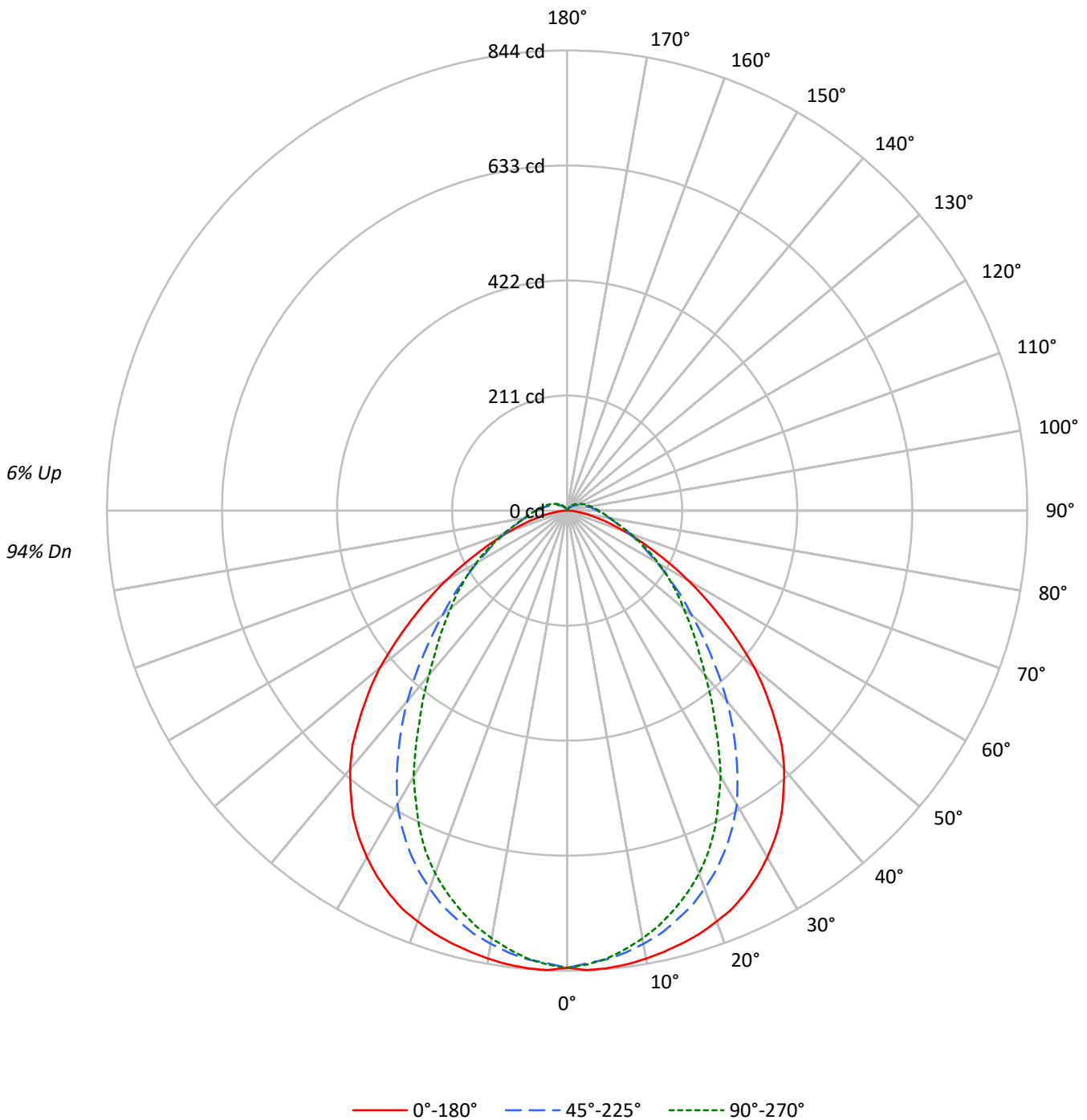
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	13510	13510	13510
5°	13578	12555	12274
10°	13553	11684	11080
15°	13546	10828	9971
20°	13542	9973	8900
25°	13502	9085	7780
30°	13343	8122	6641
35°	13081	7003	5464
40°	12582	5927	4503
45°	11758	4872	3777
50°	10717	3975	3185
55°	9221	3282	2714
60°	7724	2686	2274
65°	6138	2232	1879
70°	4784	1876	1551
75°	3625	1593	1288
80°	2528	1407	1107
85°	1527	1282	1001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	4.1
10°-20°	221.2	11.4
20°-30°	320.4	16.5
30°-40°	348.7	18.0
40°-50°	309.7	16.0
50°-60°	235.7	12.2
60°-70°	156.5	8.1
70°-80°	95.4	4.9
80°-90°	59.1	3.1
90°-100°	40.4	2.1
100°-110°	28.3	1.5
110°-120°	19.3	1.0
120°-130°	12.2	0.6
130°-140°	7.0	0.4
140°-150°	3.3	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	620.4	32.0
0°-40°	969.1	50.1
0°-60°	1514.4	78.2
0°-90°	1825.4	94.3
90°-120°	88.0	4.5
90°-150°	110.4	5.7
90°-180°	111.0	5.7
0°-180°	1936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	838	838	838	838	838	
5°	842	837	826	830	825	80
15°	821	807	777	768	758	232
25°	774	740	686	659	642	356
35°	684	623	540	493	472	426
45°	538	457	371	340	332	414
55°	348	282	240	236	235	312
65°	175	151	151	157	155	177
75°	67	76	96	101	98	73
85°	12	39	65	69	67	15
90°	0	29	55	60	58	1
95°	0	22	47	52	51	0
105°	0	14	34	39	39	0
115°	0	9	24	30	29	0
125°	0	6	16	20	20	0
135°	0	4	11	14	14	0
145°	0	2	6	8	8	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°	838.4	838.4	838.4	838.4	838.4
2.5°	843.5	839.5	831.3	836.4	833.3
5°	842.5	837.4	826.2	830.3	825.2
7.5°	839.5	833.3	818.0	820.1	811.9
10°	834.4	826.2	806.8	804.8	796.6
12.5°	828.2	818.0	794.6	787.4	779.3
15°	821.1	806.8	777.2	768.1	757.9
17.5°	812.9	793.6	759.9	745.6	734.4
20°	801.7	778.3	737.5	720.1	707.9
22.5°	790.5	759.9	714.0	690.5	677.3
25°	774.2	739.5	686.5	658.9	641.6
27.5°	755.8	716.0	655.9	620.2	600.8
30°	734.4	688.5	622.2	580.4	563.0
32.5°	710.9	657.9	581.4	536.5	517.1
35°	684.4	623.2	539.6	492.7	472.3
37.5°	651.8	585.5	497.8	449.8	433.5
40°	619.1	545.7	455.9	411.1	393.7
42.5°	582.4	501.8	413.1	372.3	360.1
45°	537.5	457.0	371.3	339.7	331.5
47.5°	493.7	411.1	333.5	311.1	304.0
50°	448.8	366.2	297.8	283.6	278.5
52.5°	396.8	322.3	268.3	259.1	257.0
55°	347.8	282.5	239.7	235.6	234.6
57.5°	300.9	244.8	213.2	216.2	214.2
60°	257.0	210.1	189.7	193.8	192.8
62.5°	214.2	178.5	168.3	176.5	174.4
65°	175.4	151.0	151.0	157.1	155.0
67.5°	141.8	128.5	134.6	140.8	138.7
70°	113.2	108.1	120.4	125.5	123.4
72.5°	87.7	90.8	106.1	112.2	109.1
75°	67.3	76.5	95.9	101.0	97.9
77.5°	47.9	64.3	86.7	90.8	87.7
80°	33.7	54.1	78.5	82.6	79.6
82.5°	21.4	45.9	71.4	75.5	73.4
85°	12.2	38.8	65.3	69.4	67.3
87.5°	6.1	33.7	59.2	64.3	62.2
90°	0.0	28.6	55.1	60.2	58.1
92.5°	0.0	25.5	51.0	56.1	54.1
95°	0.0	22.4	46.9	52.0	51.0
97.5°	0.0	20.4	43.9	49.0	46.9
100°	0.0	17.3	39.8	44.9	43.9
102.5°	0.0	16.3	36.7	41.8	40.8
105°	0.0	14.3	33.7	38.8	38.8
107.5°	0.0	13.3	31.6	36.7	35.7
110°	0.0	11.2	28.6	33.7	33.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.2	26.5	31.6	30.6
115°	0.0	9.2	24.5	29.6	28.6
117.5°	0.0	9.2	22.4	26.5	26.5
120°	0.0	8.2	20.4	24.5	24.5
122.5°	0.0	7.1	18.4	22.4	22.4
125°	0.0	6.1	16.3	20.4	20.4
127.5°	0.0	6.1	15.3	19.4	19.4
130°	0.0	5.1	13.3	17.3	17.3
132.5°	0.0	4.1	12.2	15.3	15.3
135°	0.0	4.1	11.2	14.3	14.3
137.5°	0.0	3.1	9.2	12.2	12.2
140°	0.0	3.1	8.2	11.2	11.2
142.5°	0.0	2.0	7.1	10.2	9.2
145°	0.0	2.0	6.1	8.2	8.2
147.5°	0.0	1.0	5.1	7.1	7.1
150°	0.0	1.0	4.1	6.1	5.1
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)