

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: P218057

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218057
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-LD5-18SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.0 lumens
Efficiency: N/A
Efficacy: 136.6 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

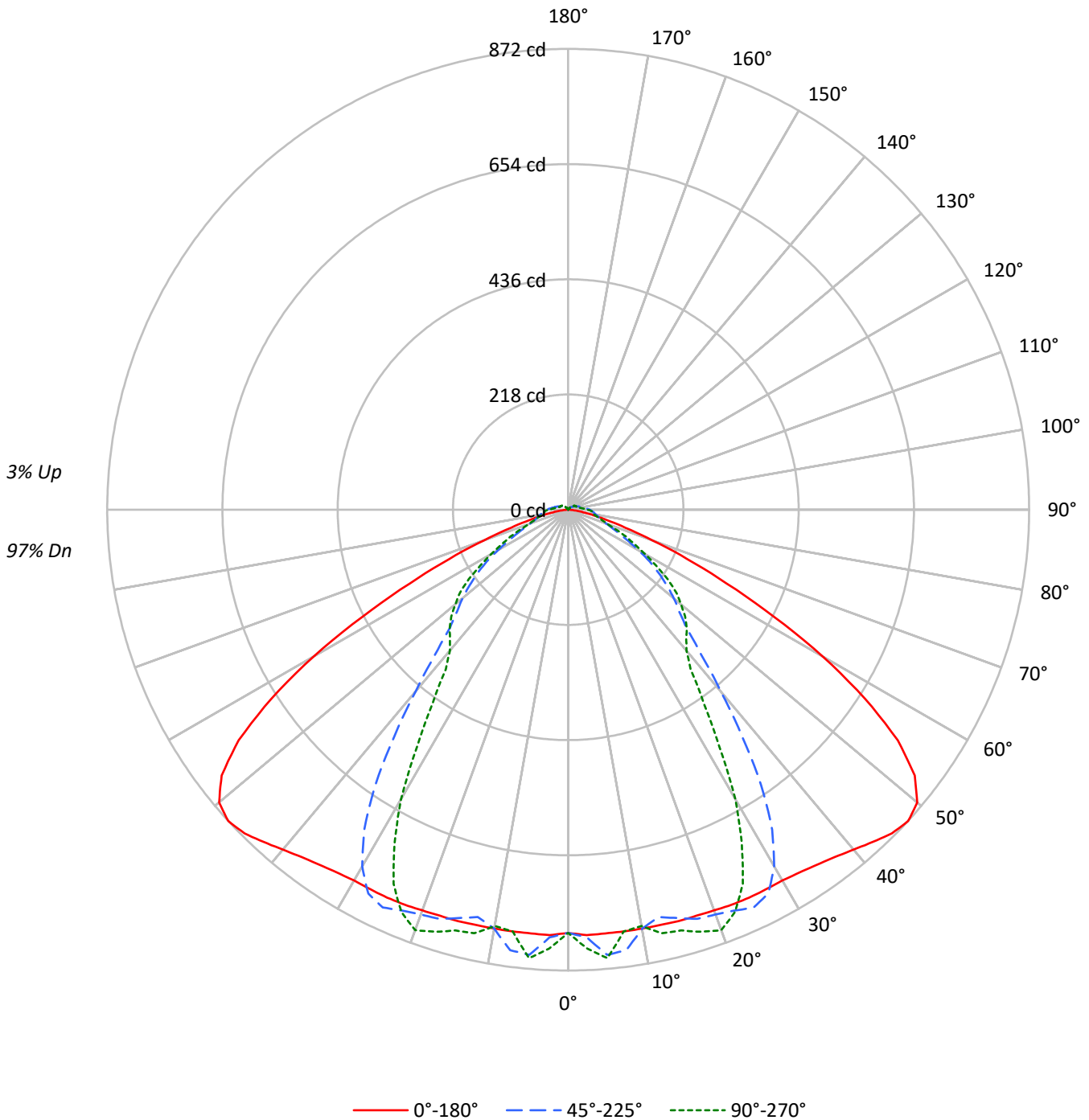
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	12902	12902	12902
5°	12970	12850	12668
10°	13072	11655	11123
15°	13294	11142	10844
20°	13628	11021	10643
25°	14125	10988	9474
30°	14715	10173	7460
35°	15674	8260	5169
40°	17061	5834	3978
45°	18944	4149	3614
50°	20582	3486	3185
55°	20173	2863	2655
60°	16737	2167	1985
65°	11566	1568	1460
70°	7198	1192	1001
75°	4067	1016	792
80°	2296	950	682
85°	1026	921	683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	3.9
10°-20°	231.8	11.6
20°-30°	368.3	18.5
30°-40°	397.2	19.9
40°-50°	342.3	17.2
50°-60°	259.2	13.0
60°-70°	140.0	7.0
70°-80°	66.5	3.3
80°-90°	41.8	2.1
90°-100°	26.6	1.3
100°-110°	17.0	0.9
110°-120°	11.4	0.6
120°-130°	7.5	0.4
130°-140°	3.7	0.2
140°-150°	1.6	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	678.9	34.0
0°-40°	1076.0	54.0
0°-60°	1677.5	84.1
0°-90°	1925.7	96.6
90°-120°	54.9	2.8
90°-150°	67.7	3.4
90°-180°	68.0	3.4
0°-180°	1994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	805	822	846	857	852	77
15°	806	827	800	827	824	228
25°	810	795	830	808	781	375
35°	820	790	636	486	447	517
45°	866	543	316	313	317	667
55°	761	235	209	228	230	662
65°	330	100	106	119	120	339
75°	76	52	61	61	60	89
85°	8	32	47	47	46	12
90°	0	24	41	40	37	0
95°	0	19	33	30	28	0
105°	0	12	22	20	18	0
115°	0	7	15	15	15	0
125°	0	4	10	13	12	0
135°	0	2	6	7	7	0
145°	0	1	3	4	3	0
155°	0	1	1	2	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218057

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.7	800.7	800.7	800.7	800.7
2.5°	805.8	806.8	809.9	825.2	831.3
5°	804.8	822.1	845.6	856.8	851.7
7.5°	804.8	840.5	840.5	819.1	804.8
10°	804.8	850.7	804.8	800.7	799.7
12.5°	804.8	844.6	789.5	818.0	821.1
15°	805.8	827.2	799.7	827.2	824.2
17.5°	805.8	806.8	811.9	833.3	837.4
20°	806.8	793.6	815.0	849.7	846.6
22.5°	808.9	791.5	821.1	842.5	824.2
25°	809.9	794.6	830.3	807.8	781.3
27.5°	809.9	798.7	819.1	754.8	710.9
30°	809.9	800.7	779.3	681.4	632.4
32.5°	814.0	798.7	718.1	585.5	532.4
35°	820.1	789.5	636.5	486.5	446.8
37.5°	828.2	765.0	540.6	407.0	380.5
40°	839.5	712.0	448.8	356.0	347.8
42.5°	852.7	634.4	373.3	330.5	330.5
45°	866.0	542.6	316.2	313.1	317.2
47.5°	872.1	452.9	284.6	295.8	299.9
50°	861.9	369.2	261.1	276.4	278.5
52.5°	826.2	294.8	234.6	253.0	258.1
55°	760.9	234.6	209.1	228.5	229.5
57.5°	666.1	186.7	182.6	197.9	196.9
60°	556.9	151.0	153.0	168.3	168.3
62.5°	439.6	122.4	128.5	141.8	140.8
65°	330.5	100.0	106.1	119.3	120.4
67.5°	243.8	82.6	89.8	98.9	96.9
70°	170.3	69.4	76.5	81.6	79.6
72.5°	113.2	59.2	67.3	69.4	68.3
75°	75.5	52.0	61.2	61.2	60.2
77.5°	49.0	45.9	57.1	56.1	54.1
80°	30.6	40.8	53.0	51.0	49.0
82.5°	18.4	35.7	50.0	47.9	45.9
85°	8.2	31.6	46.9	46.9	45.9
87.5°	3.1	28.6	43.9	44.9	42.8
90°	0.0	24.5	40.8	39.8	36.7
92.5°	0.0	22.4	36.7	33.7	31.6
95°	0.0	19.4	32.6	29.6	27.5
97.5°	0.0	17.3	29.6	26.5	24.5
100°	0.0	15.3	26.5	23.5	21.4
102.5°	0.0	13.3	24.5	21.4	20.4
105°	0.0	12.2	22.4	20.4	18.4
107.5°	0.0	11.2	20.4	18.4	17.3
110°	0.0	9.2	18.4	17.3	16.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.2	16.3	16.3	16.3
115°	0.0	7.1	15.3	15.3	15.3
117.5°	0.0	6.1	13.3	15.3	15.3
120°	0.0	6.1	12.2	14.3	14.3
122.5°	0.0	5.1	11.2	14.3	14.3
125°	0.0	4.1	10.2	13.3	12.2
127.5°	0.0	3.1	9.2	11.2	11.2
130°	0.0	3.1	8.2	10.2	9.2
132.5°	0.0	2.0	7.1	8.2	8.2
135°	0.0	2.0	6.1	7.1	7.1
137.5°	0.0	2.0	5.1	6.1	5.1
140°	0.0	1.0	4.1	5.1	4.1
142.5°	0.0	1.0	4.1	5.1	4.1
145°	0.0	1.0	3.1	4.1	3.1
147.5°	0.0	1.0	2.0	3.1	3.1
150°	0.0	1.0	2.0	3.1	2.0
152.5°	0.0	1.0	2.0	2.0	1.0
155°	0.0	1.0	1.0	2.0	1.0
157.5°	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	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)