

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: P218058

Luminaire Tested: **4SNLED-LD5-18SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218058
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2157.0 lumens
Efficiency: N/A
Efficacy: 147.7 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

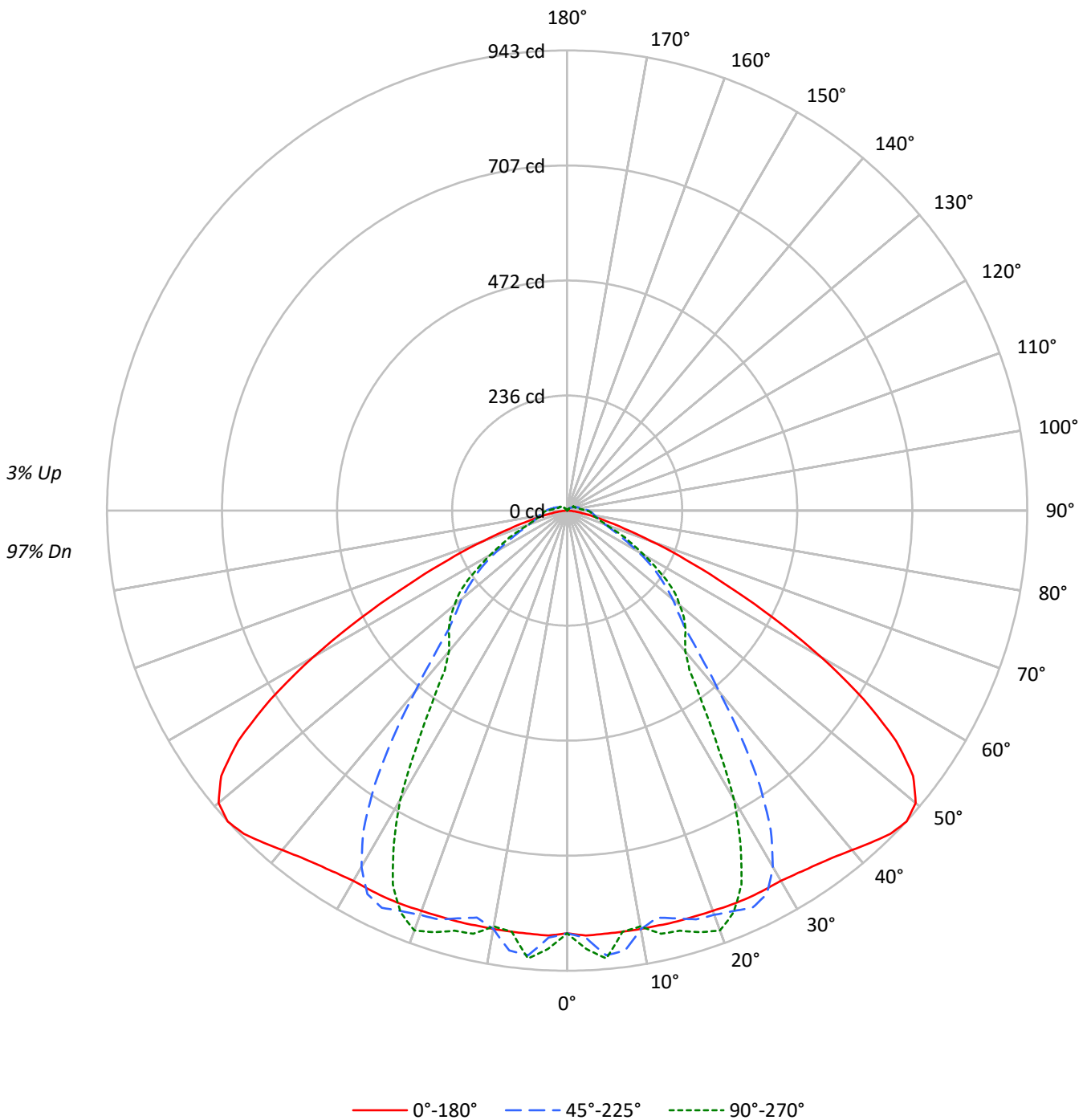
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	13958	13958	13958
5°	14031	13900	13703
10°	14141	12607	12033
15°	14381	12053	11729
20°	14743	11921	11513
25°	15279	11887	10248
30°	15917	11005	8070
35°	16955	8935	5592
40°	18455	6311	4304
45°	20492	4488	3910
50°	22266	3771	3445
55°	21822	3097	2873
60°	18105	2344	2148
65°	12511	1697	1579
70°	7789	1290	1082
75°	4401	1099	857
80°	2483	1029	737
85°	1101	997	739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	3.9
10°-20°	250.8	11.6
20°-30°	398.4	18.5
30°-40°	429.6	19.9
40°-50°	370.3	17.2
50°-60°	280.3	13.0
60°-70°	151.5	7.0
70°-80°	71.9	3.3
80°-90°	45.2	2.1
90°-100°	28.7	1.3
100°-110°	18.4	0.9
110°-120°	12.3	0.6
120°-130°	8.1	0.4
130°-140°	4.0	0.2
140°-150°	1.7	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	734.3	34.0
0°-40°	1164.0	54.0
0°-60°	1814.6	84.1
0°-90°	2083.1	96.6
90°-120°	59.5	2.8
90°-150°	73.2	3.4
90°-180°	74.0	3.4
0°-180°	2157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	871	889	915	927	921	83
15°	872	895	865	895	892	247
25°	876	860	898	874	845	405
35°	887	854	688	526	483	559
45°	937	587	342	339	343	721
55°	823	254	226	247	248	716
65°	358	108	115	129	130	367
75°	82	56	66	66	65	96
85°	9	34	51	51	50	13
90°	0	26	44	43	40	0
95°	0	21	35	32	30	0
105°	0	13	24	22	20	0
115°	0	8	17	17	17	0
125°	0	4	11	14	13	0
135°	0	2	7	8	8	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.2	866.2	866.2	866.2	866.2
2.5°	871.7	872.8	876.1	892.6	899.3
5°	870.6	889.3	914.7	926.8	921.3
7.5°	870.6	909.2	909.2	886.0	870.6
10°	870.6	920.2	870.6	866.2	865.1
12.5°	870.6	913.6	854.0	884.9	888.2
15°	871.7	894.8	865.1	894.8	891.5
17.5°	871.7	872.8	878.3	901.5	905.9
20°	872.8	858.4	881.6	919.1	915.8
22.5°	875.0	856.2	888.2	911.4	891.5
25°	876.1	859.5	898.2	873.9	845.2
27.5°	876.1	863.9	886.0	816.5	769.1
30°	876.1	866.2	843.0	737.1	684.1
32.5°	880.5	863.9	776.8	633.3	576.0
35°	887.1	854.0	688.5	526.3	483.3
37.5°	895.9	827.5	584.8	440.2	411.6
40°	908.1	770.2	485.5	385.1	376.3
42.5°	922.4	686.3	403.8	357.5	357.5
45°	936.8	587.0	342.0	338.7	343.2
47.5°	943.4	489.9	307.8	320.0	324.4
50°	932.4	399.4	282.5	299.0	301.2
52.5°	893.7	318.9	253.8	273.6	279.2
55°	823.1	253.8	226.2	247.2	248.3
57.5°	720.5	201.9	197.5	214.1	213.0
60°	602.4	163.3	165.5	182.1	182.1
62.5°	475.6	132.4	139.0	153.4	152.3
65°	357.5	108.1	114.8	129.1	130.2
67.5°	263.7	89.4	97.1	107.0	104.8
70°	184.3	75.0	82.8	88.3	86.1
72.5°	122.5	64.0	72.8	75.0	73.9
75°	81.7	56.3	66.2	66.2	65.1
77.5°	53.0	49.7	61.8	60.7	58.5
80°	33.1	44.1	57.4	55.2	53.0
82.5°	19.9	38.6	54.1	51.9	49.7
85°	8.8	34.2	50.8	50.8	49.7
87.5°	3.3	30.9	47.4	48.5	46.3
90°	0.0	26.5	44.1	43.0	39.7
92.5°	0.0	24.3	39.7	36.4	34.2
95°	0.0	21.0	35.3	32.0	29.8
97.5°	0.0	18.8	32.0	28.7	26.5
100°	0.0	16.6	28.7	25.4	23.2
102.5°	0.0	14.3	26.5	23.2	22.1
105°	0.0	13.2	24.3	22.1	19.9
107.5°	0.0	12.1	22.1	19.9	18.8
110°	0.0	9.9	19.9	18.8	17.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.8	17.7	17.7	17.7
115°	0.0	7.7	16.6	16.6	16.6
117.5°	0.0	6.6	14.3	16.6	16.6
120°	0.0	6.6	13.2	15.4	15.4
122.5°	0.0	5.5	12.1	15.4	15.4
125°	0.0	4.4	11.0	14.3	13.2
127.5°	0.0	3.3	9.9	12.1	12.1
130°	0.0	3.3	8.8	11.0	9.9
132.5°	0.0	2.2	7.7	8.8	8.8
135°	0.0	2.2	6.6	7.7	7.7
137.5°	0.0	2.2	5.5	6.6	5.5
140°	0.0	1.1	4.4	5.5	4.4
142.5°	0.0	1.1	4.4	5.5	4.4
145°	0.0	1.1	3.3	4.4	3.3
147.5°	0.0	1.1	2.2	3.3	3.3
150°	0.0	1.1	2.2	3.3	2.2
152.5°	0.0	1.1	2.2	2.2	1.1
155°	0.0	1.1	1.1	2.2	1.1
157.5°	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	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)