

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: P218326

Luminaire Tested: **4SNLED-LD5-41SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4639.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

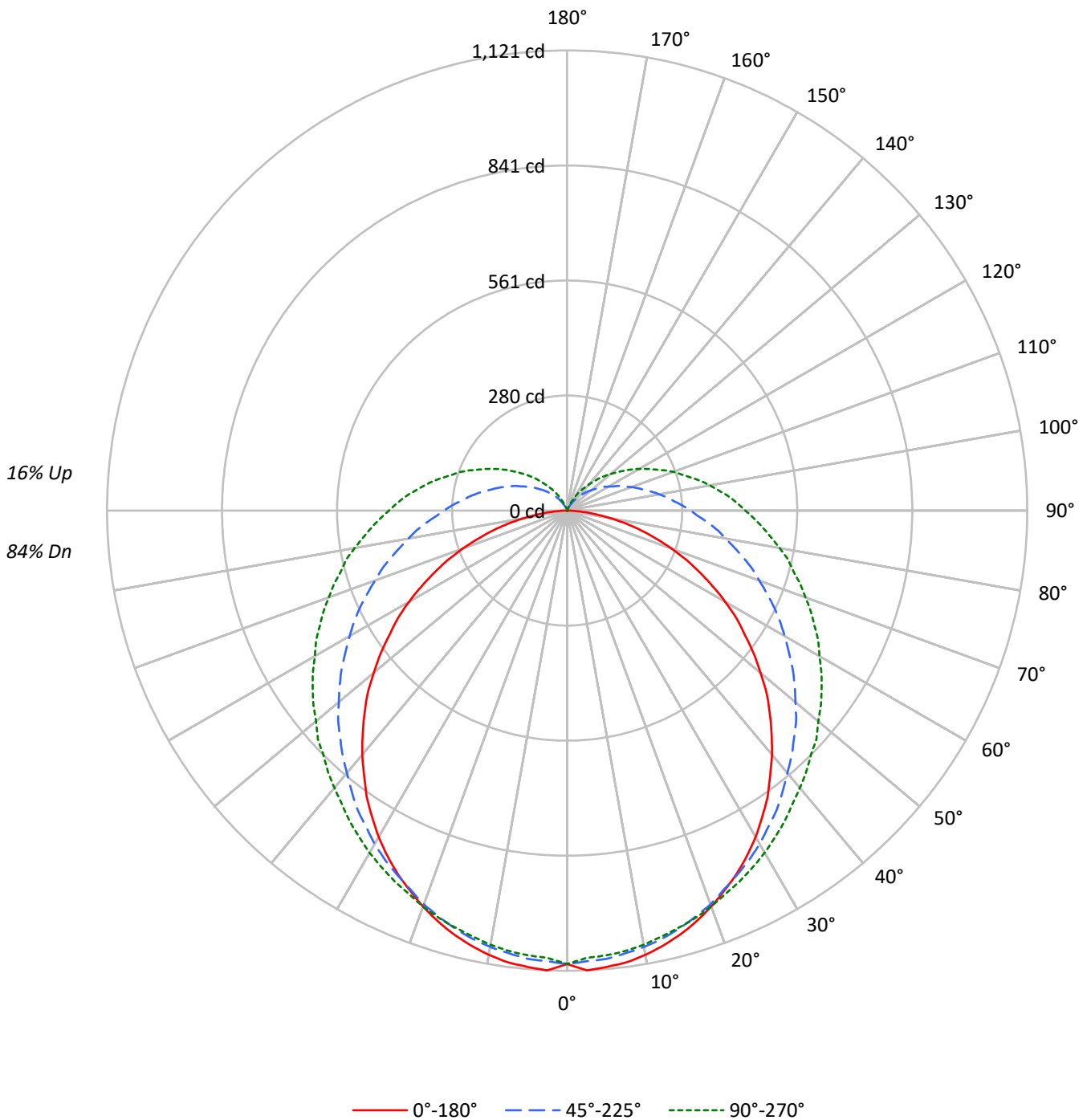
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17798	17798	17798
5°	17979	16658	16180
10°	17849	15633	14938
15°	17624	14690	13837
20°	17340	13806	12906
25°	17030	12960	12077
30°	16680	12240	11355
35°	16270	11554	10687
40°	15775	10850	10087
45°	15275	10259	9573
50°	14684	9693	9133
55°	14014	9180	8755
60°	13377	8668	8368
65°	12462	8224	8062
70°	11407	7759	7764
75°	10041	7391	7503
80°	7931	7031	7314
85°	5219	6771	7117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	2.3
10°-20°	299.1	6.4
20°-30°	454.6	9.8
30°-40°	556.4	12.0
40°-50°	600.7	12.9
50°-60°	589.8	12.7
60°-70°	531.2	11.5
70°-80°	439.9	9.5
80°-90°	338.3	7.3
90°-100°	255.0	5.5
100°-110°	187.6	4.0
110°-120°	129.5	2.8
120°-130°	82.1	1.8
130°-140°	45.4	1.0
140°-150°	19.7	0.4
150°-160°	4.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	858.4	18.5
0°-40°	1414.8	30.5
0°-60°	2605.3	56.2
0°-90°	3914.6	84.4
90°-120°	572.1	12.3
90°-150°	719.3	15.5
90°-180°	724.0	15.6
0°-180°	4639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1116	1110	1096	1096	1088	106
15°	1068	1066	1054	1060	1052	301
25°	976	976	979	999	996	450
35°	851	860	890	918	924	532
45°	698	729	782	829	840	539
55°	529	587	670	737	757	474
65°	356	437	556	640	665	353
75°	186	298	445	540	570	198
85°	42	184	345	448	478	48
90°	0	142	300	403	434	2
95°	3	111	262	362	395	1
105°	0	70	195	284	312	0
115°	0	44	142	214	236	0
125°	0	28	97	153	170	0
135°	0	17	61	100	111	0
145°	0	6	31	56	61	0
155°	0	3	8	17	20	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°	1104.5	1104.5	1104.5	1104.5	1104.5
2.5°	1121.2	1112.9	1098.9	1098.9	1090.6
5°	1115.6	1110.1	1096.2	1096.2	1087.8
7.5°	1110.1	1104.5	1087.8	1090.6	1082.3
10°	1098.9	1093.4	1079.5	1082.3	1073.9
12.5°	1085.0	1079.5	1068.3	1071.1	1062.8
15°	1068.3	1065.6	1054.4	1060.0	1051.7
17.5°	1048.9	1046.1	1037.7	1046.1	1040.5
20°	1026.6	1026.6	1021.0	1032.2	1026.6
22.5°	1001.6	1001.6	998.8	1015.5	1009.9
25°	976.5	976.5	979.3	998.8	996.0
27.5°	948.7	951.5	959.8	982.1	979.3
30°	918.1	923.7	937.6	962.6	962.6
32.5°	884.7	890.3	912.5	943.1	943.1
35°	851.3	859.7	890.3	918.1	923.7
37.5°	812.4	826.3	862.5	895.9	901.4
40°	776.2	795.7	834.6	873.6	881.9
42.5°	737.3	762.3	809.6	854.1	862.5
45°	698.3	728.9	781.8	829.1	840.2
47.5°	659.4	692.8	756.7	806.8	823.5
50°	614.9	656.6	726.1	784.6	798.5
52.5°	573.1	620.4	698.3	759.5	779.0
55°	528.6	587.0	670.5	737.3	756.7
57.5°	489.7	548.1	639.9	715.0	734.5
60°	445.1	509.1	612.1	687.2	709.4
62.5°	400.6	475.7	584.3	664.9	690.0
65°	356.1	436.8	556.4	639.9	664.9
67.5°	314.4	400.6	525.8	614.9	642.7
70°	269.9	364.5	498.0	589.8	617.6
72.5°	228.1	331.1	473.0	564.8	595.4
75°	186.4	297.7	445.1	539.7	570.3
77.5°	147.5	267.1	417.3	517.5	550.9
80°	105.7	236.5	392.3	492.4	525.8
82.5°	72.3	208.7	370.0	470.2	500.8
85°	41.7	183.6	345.0	447.9	478.5
87.5°	16.7	161.4	319.9	422.9	456.3
90°	0.0	141.9	300.5	403.4	434.0
92.5°	0.0	125.2	281.0	381.2	414.5
95°	2.8	111.3	261.5	361.7	395.1
97.5°	0.0	97.4	244.8	342.2	372.8
100°	0.0	89.0	228.1	322.7	353.3
102.5°	0.0	77.9	211.4	303.3	333.9
105°	0.0	69.6	194.8	283.8	311.6
107.5°	0.0	64.0	180.8	267.1	292.1
110°	0.0	55.6	166.9	250.4	275.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.1	153.0	230.9	256.0
115°	0.0	44.5	141.9	214.2	236.5
117.5°	0.0	41.7	128.0	197.5	219.8
120°	0.0	36.2	116.9	183.6	203.1
122.5°	0.0	33.4	108.5	166.9	186.4
125°	0.0	27.8	97.4	153.0	169.7
127.5°	0.0	25.0	86.2	139.1	153.0
130°	0.0	22.3	77.9	125.2	139.1
132.5°	0.0	19.5	69.6	111.3	125.2
135°	0.0	16.7	61.2	100.2	111.3
137.5°	0.0	13.9	52.9	86.2	97.4
140°	0.0	11.1	44.5	75.1	83.5
142.5°	0.0	8.3	39.0	64.0	72.3
145°	0.0	5.6	30.6	55.6	61.2
147.5°	0.0	5.6	25.0	44.5	50.1
150°	0.0	2.8	16.7	36.2	39.0
152.5°	0.0	2.8	13.9	27.8	27.8
155°	0.0	2.8	8.3	16.7	19.5
157.5°	0.0	0.0	5.6	11.1	11.1
160°	0.0	0.0	2.8	5.6	8.3
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)