

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: P218182

Luminaire Tested: **4SNLED-LD5-22SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218182  
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-LD5-22SL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2552.0 lumens  
Efficiency: N/A  
Efficacy: 159.5 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

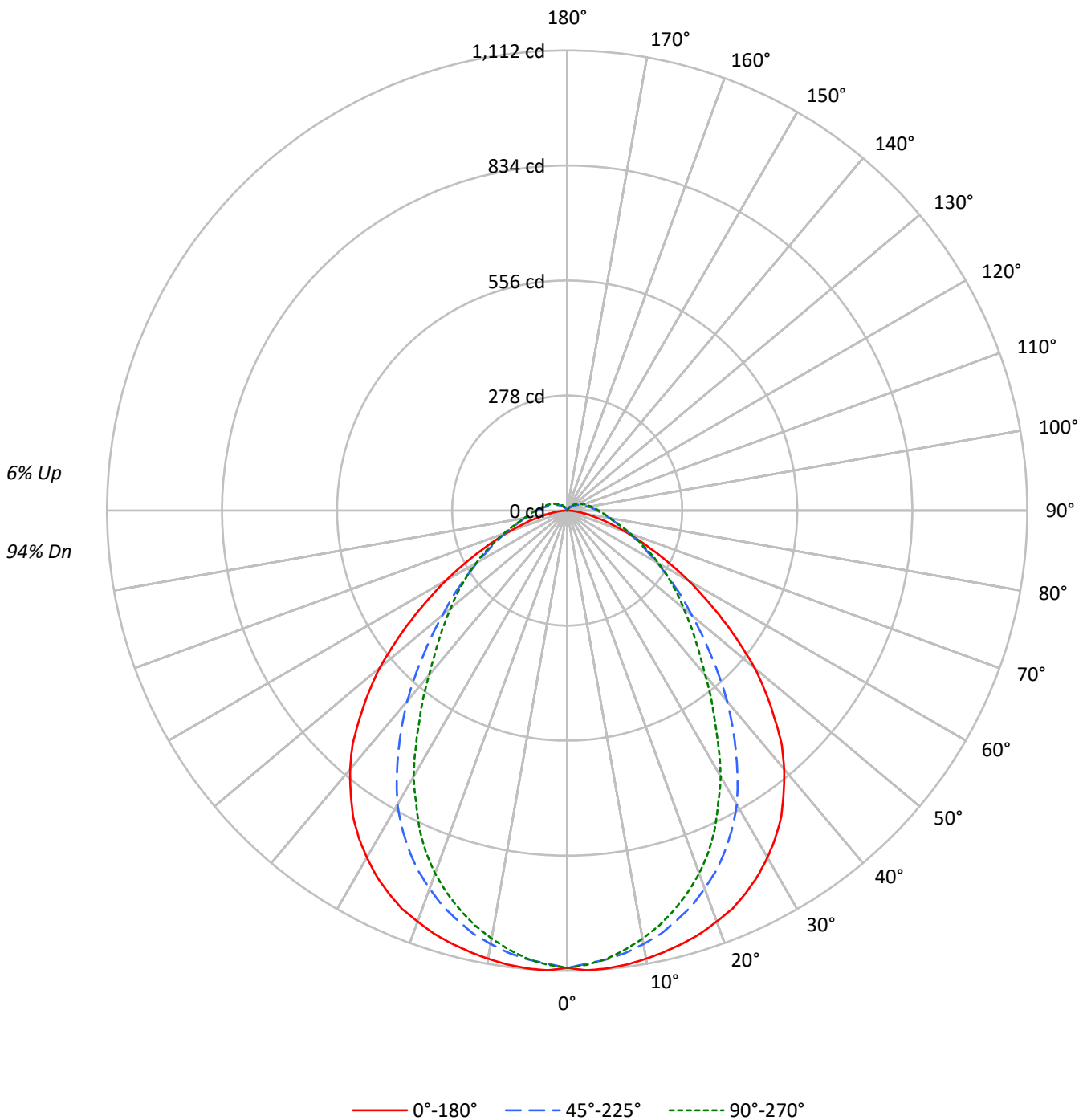
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	17809	17809	17809
5°	17899	16550	16178
10°	17864	15401	14606
15°	17857	14273	13144
20°	17851	13145	11731
25°	17797	11975	10254
30°	17589	10707	8755
35°	17243	9231	7202
40°	16586	7813	5936
45°	15501	6422	4979
50°	14128	5241	4199
55°	12156	4326	3577
60°	10182	3542	2997
65°	8094	2941	2478
70°	6306	2473	2045
75°	4778	2099	1699
80°	3331	1855	1459
85°	2015	1690	1319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.9	4.1
10°-20°	291.6	11.4
20°-30°	422.3	16.5
30°-40°	459.6	18.0
40°-50°	408.2	16.0
50°-60°	310.7	12.2
60°-70°	206.3	8.1
70°-80°	125.7	4.9
80°-90°	77.9	3.1
90°-100°	53.2	2.1
100°-110°	37.3	1.5
110°-120°	25.4	1.0
120°-130°	16.1	0.6
130°-140°	9.2	0.4
140°-150°	4.3	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	817.8	32.0
0°-40°	1277.4	50.1
0°-60°	1996.3	78.2
0°-90°	2406.1	94.3
90°-120°	116.0	4.5
90°-150°	145.6	5.7
90°-180°	146.0	5.7
0°-180°	2552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1105	1105	1105	1105	1105	
5°	1111	1104	1089	1094	1088	106
15°	1082	1064	1024	1012	999	306
25°	1020	975	905	869	846	470
35°	902	822	711	649	622	562
45°	709	602	489	448	437	546
55°	458	372	316	311	309	411
65°	231	199	199	207	204	233
75°	89	101	126	133	129	96
85°	16	51	86	91	89	19
90°	0	38	73	79	77	1
95°	0	30	62	69	67	0
105°	0	19	44	51	51	0
115°	0	12	32	39	38	0
125°	0	8	22	27	27	0
135°	0	5	15	19	19	0
145°	0	3	8	11	11	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°	1105.2	1105.2	1105.2	1105.2	1105.2
2.5°	1111.9	1106.6	1095.8	1102.5	1098.5
5°	1110.6	1103.9	1089.1	1094.5	1087.7
7.5°	1106.6	1098.5	1078.3	1081.0	1070.3
10°	1099.8	1089.1	1063.5	1060.8	1050.1
12.5°	1091.8	1078.3	1047.4	1038.0	1027.2
15°	1082.4	1063.5	1024.5	1012.4	999.0
17.5°	1071.6	1046.0	1001.7	982.9	968.1
20°	1056.8	1025.9	972.1	949.2	933.1
22.5°	1042.0	1001.7	941.2	910.3	892.8
25°	1020.5	974.8	904.9	868.6	845.7
27.5°	996.3	943.9	864.5	817.5	791.9
30°	968.1	907.6	820.2	765.0	742.2
32.5°	937.1	867.2	766.4	707.2	681.7
35°	902.2	821.5	711.3	649.4	622.5
37.5°	859.2	771.8	656.1	592.9	571.4
40°	816.1	719.3	601.0	541.8	519.0
42.5°	767.7	661.5	544.5	490.8	474.6
45°	708.6	602.4	489.4	447.7	437.0
47.5°	650.8	541.8	439.7	410.1	400.7
50°	591.6	482.7	392.6	373.8	367.1
52.5°	523.0	424.9	353.6	341.5	338.8
55°	458.5	372.4	316.0	310.6	309.2
57.5°	396.6	322.7	281.0	285.0	282.4
60°	338.8	277.0	250.1	255.5	254.1
62.5°	282.4	235.3	221.8	232.6	229.9
65°	231.3	199.0	199.0	207.1	204.4
67.5°	186.9	169.4	177.5	185.5	182.9
70°	149.2	142.5	158.7	165.4	162.7
72.5°	115.6	119.7	139.8	147.9	143.9
75°	88.7	100.8	126.4	133.1	129.1
77.5°	63.2	84.7	114.3	119.7	115.6
80°	44.4	71.3	103.5	108.9	104.9
82.5°	28.2	60.5	94.1	99.5	96.8
85°	16.1	51.1	86.1	91.4	88.7
87.5°	8.1	44.4	78.0	84.7	82.0
90°	0.0	37.6	72.6	79.3	76.6
92.5°	0.0	33.6	67.2	73.9	71.3
95°	0.0	29.6	61.8	68.6	67.2
97.5°	0.0	26.9	57.8	64.5	61.8
100°	0.0	22.9	52.4	59.2	57.8
102.5°	0.0	21.5	48.4	55.1	53.8
105°	0.0	18.8	44.4	51.1	51.1
107.5°	0.0	17.5	41.7	48.4	47.1
110°	0.0	14.8	37.6	44.4	44.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.4	35.0	41.7	40.3
115°	0.0	12.1	32.3	39.0	37.6
117.5°	0.0	12.1	29.6	35.0	35.0
120°	0.0	10.8	26.9	32.3	32.3
122.5°	0.0	9.4	24.2	29.6	29.6
125°	0.0	8.1	21.5	26.9	26.9
127.5°	0.0	8.1	20.2	25.5	25.5
130°	0.0	6.7	17.5	22.9	22.9
132.5°	0.0	5.4	16.1	20.2	20.2
135°	0.0	5.4	14.8	18.8	18.8
137.5°	0.0	4.0	12.1	16.1	16.1
140°	0.0	4.0	10.8	14.8	14.8
142.5°	0.0	2.7	9.4	13.4	12.1
145°	0.0	2.7	8.1	10.8	10.8
147.5°	0.0	1.3	6.7	9.4	9.4
150°	0.0	1.3	5.4	8.1	6.7
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)