

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: P218181

Luminaire Tested: **4SNLED-LD5-22SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218181  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2359.0 lumens  
Efficiency: N/A  
Efficacy: 147.4 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

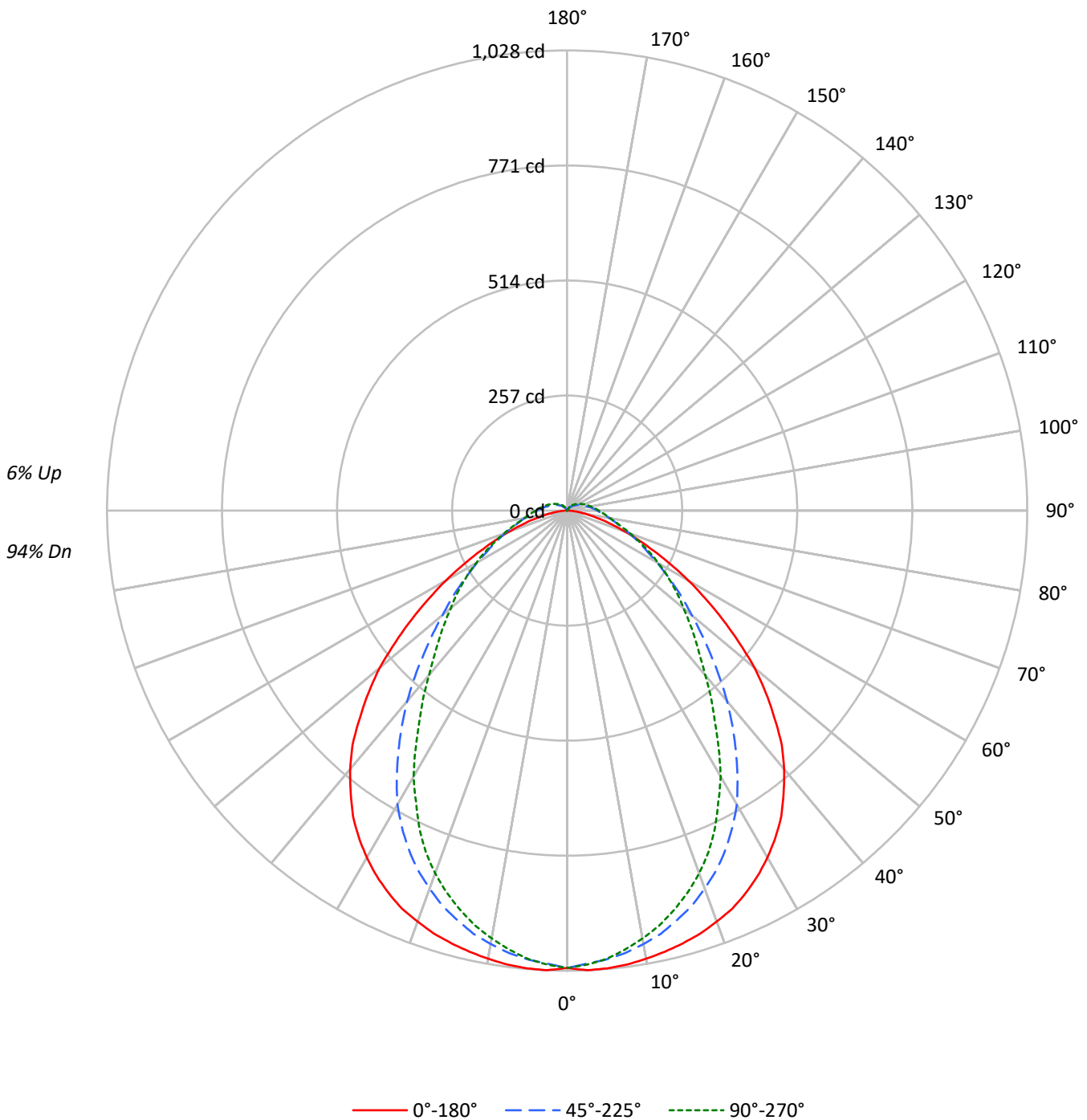
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	16462	16462	16462
5°	16545	15298	14956
10°	16514	14237	13502
15°	16506	13195	12149
20°	16501	12151	10843
25°	16451	11069	9480
30°	16259	9897	8093
35°	15940	8533	6657
40°	15332	7223	5487
45°	14328	5936	4602
50°	13060	4844	3881
55°	11236	3999	3308
60°	9413	3274	2771
65°	7482	2718	2290
70°	5833	2286	1891
75°	4417	1940	1570
80°	3076	1715	1348
85°	1865	1560	1220



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	4.1
10°-20°	269.6	11.4
20°-30°	390.3	16.5
30°-40°	424.8	18.0
40°-50°	377.3	16.0
50°-60°	287.2	12.2
60°-70°	190.7	8.1
70°-80°	116.2	4.9
80°-90°	72.0	3.1
90°-100°	49.2	2.1
100°-110°	34.5	1.5
110°-120°	23.5	1.0
120°-130°	14.9	0.6
130°-140°	8.5	0.4
140°-150°	4.0	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	756.0	32.0
0°-40°	1180.8	50.1
0°-60°	1845.3	78.2
0°-90°	2224.2	94.3
90°-120°	107.2	4.5
90°-150°	134.5	5.7
90°-180°	135.0	5.7
0°-180°	2359.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1027	1020	1007	1012	1006	98
15°	1000	983	947	936	923	283
25°	943	901	836	803	782	434
35°	834	759	658	600	575	520
45°	655	557	452	414	404	504
55°	424	344	292	287	286	380
65°	214	184	184	191	189	216
75°	82	93	117	123	119	89
85°	15	47	80	84	82	18
90°	0	35	67	73	71	1
95°	0	27	57	63	62	0
105°	0	17	41	47	47	0
115°	0	11	30	36	35	0
125°	0	8	20	25	25	0
135°	0	5	14	17	17	0
145°	0	2	8	10	10	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°	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1027.8	1022.9	1012.9	1019.1	1015.4
5°	1026.6	1020.4	1006.7	1011.7	1005.5
7.5°	1022.9	1015.4	996.8	999.3	989.3
10°	1016.7	1006.7	983.1	980.6	970.7
12.5°	1009.2	996.8	968.2	959.5	949.5
15°	1000.5	983.1	947.1	935.9	923.4
17.5°	990.6	966.9	925.9	908.5	894.9
20°	976.9	948.3	898.6	877.5	862.5
22.5°	963.2	925.9	870.0	841.4	825.3
25°	943.3	901.1	836.4	802.9	781.8
27.5°	921.0	872.5	799.2	755.7	732.0
30°	894.9	838.9	758.1	707.2	686.1
32.5°	866.3	801.6	708.4	653.7	630.1
35°	834.0	759.4	657.5	600.3	575.4
37.5°	794.2	713.4	606.5	548.1	528.2
40°	754.4	664.9	555.6	500.9	479.7
42.5°	709.7	611.5	503.4	453.6	438.7
45°	655.0	556.8	452.4	413.9	403.9
47.5°	601.5	500.9	406.4	379.1	370.4
50°	546.9	446.2	362.9	345.5	339.3
52.5°	483.5	392.7	326.9	315.7	313.2
55°	423.8	344.3	292.1	287.1	285.9
57.5°	366.6	298.3	259.8	263.5	261.0
60°	313.2	256.0	231.2	236.1	234.9
62.5°	261.0	217.5	205.1	215.0	212.5
65°	213.8	183.9	183.9	191.4	188.9
67.5°	172.8	156.6	164.1	171.5	169.0
70°	138.0	131.7	146.7	152.9	150.4
72.5°	106.9	110.6	129.3	136.7	133.0
75°	82.0	93.2	116.8	123.0	119.3
77.5°	58.4	78.3	105.6	110.6	106.9
80°	41.0	65.9	95.7	100.7	96.9
82.5°	26.1	55.9	87.0	92.0	89.5
85°	14.9	47.2	79.5	84.5	82.0
87.5°	7.5	41.0	72.1	78.3	75.8
90°	0.0	34.8	67.1	73.3	70.8
92.5°	0.0	31.1	62.1	68.4	65.9
95°	0.0	27.3	57.2	63.4	62.1
97.5°	0.0	24.9	53.4	59.7	57.2
100°	0.0	21.1	48.5	54.7	53.4
102.5°	0.0	19.9	44.7	51.0	49.7
105°	0.0	17.4	41.0	47.2	47.2
107.5°	0.0	16.2	38.5	44.7	43.5
110°	0.0	13.7	34.8	41.0	41.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.4	32.3	38.5	37.3
115°	0.0	11.2	29.8	36.0	34.8
117.5°	0.0	11.2	27.3	32.3	32.3
120°	0.0	9.9	24.9	29.8	29.8
122.5°	0.0	8.7	22.4	27.3	27.3
125°	0.0	7.5	19.9	24.9	24.9
127.5°	0.0	7.5	18.6	23.6	23.6
130°	0.0	6.2	16.2	21.1	21.1
132.5°	0.0	5.0	14.9	18.6	18.6
135°	0.0	5.0	13.7	17.4	17.4
137.5°	0.0	3.7	11.2	14.9	14.9
140°	0.0	3.7	9.9	13.7	13.7
142.5°	0.0	2.5	8.7	12.4	11.2
145°	0.0	2.5	7.5	9.9	9.9
147.5°	0.0	1.2	6.2	8.7	8.7
150°	0.0	1.2	5.0	7.5	6.2
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)