

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: P218334

Luminaire Tested: **4SNLED-LD5-44SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218334  
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-LD5-44SL-LW-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5064.0 lumens  
Efficiency: N/A  
Efficacy: 130.9 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

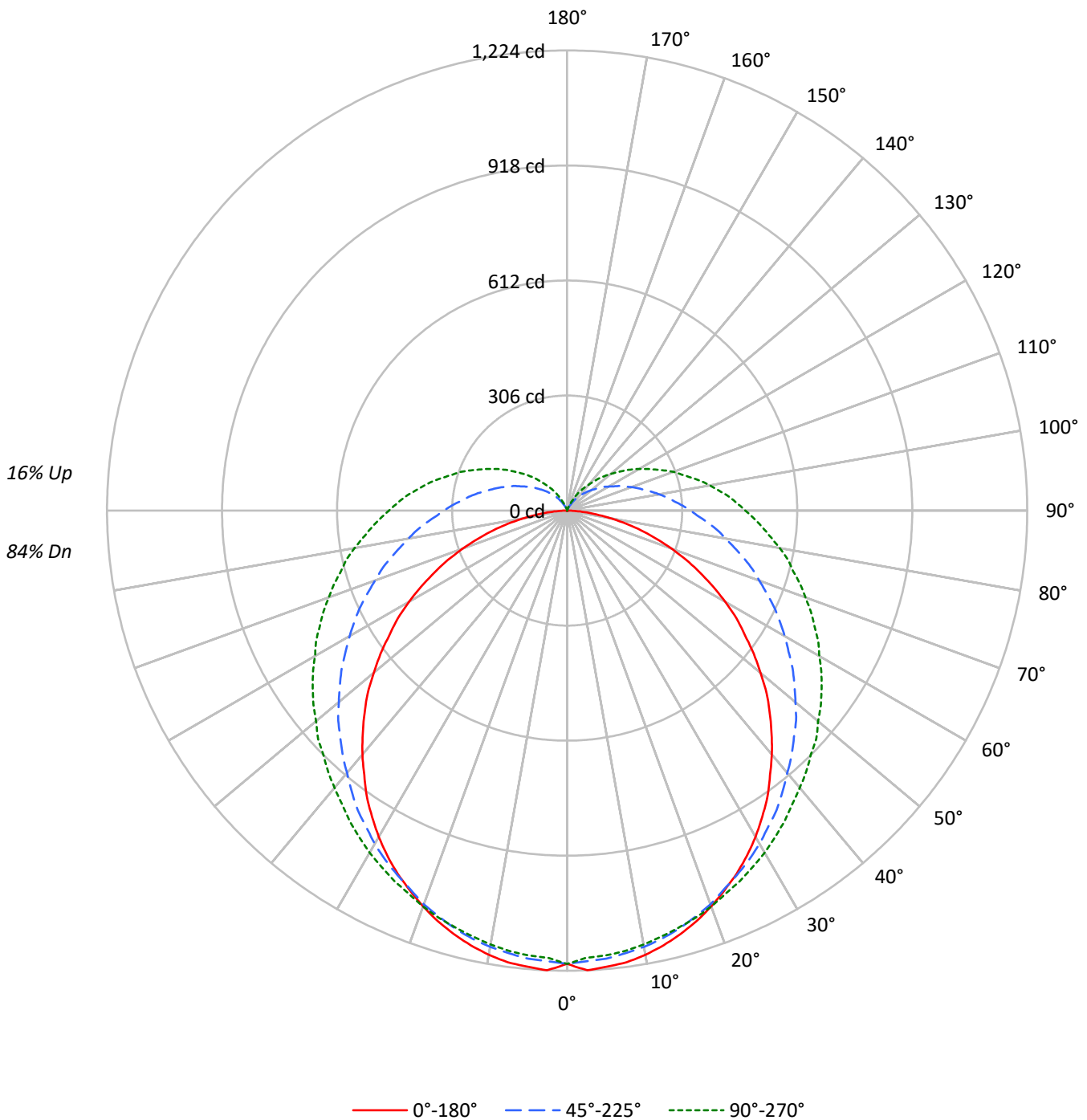
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20			20			20			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°	19428	19428	19428
5°	19626	18183	17663
10°	19485	17065	16306
15°	19239	16036	15104
20°	18930	15072	14089
25°	18591	14147	13184
30°	18208	13361	12395
35°	17761	12611	11666
40°	17220	11844	11011
45°	16675	11198	10451
50°	16028	10582	9969
55°	15298	10020	9558
60°	14603	9461	9135
65°	13603	8977	8801
70°	12451	8470	8476
75°	10962	8069	8191
80°	8658	7674	7984
85°	5707	7392	7770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	2.3
10°-20°	326.5	6.4
20°-30°	496.3	9.8
30°-40°	607.4	12.0
40°-50°	655.8	12.9
50°-60°	643.8	12.7
60°-70°	579.8	11.5
70°-80°	480.2	9.5
80°-90°	369.3	7.3
90°-100°	278.4	5.5
100°-110°	204.8	4.0
110°-120°	141.3	2.8
120°-130°	89.6	1.8
130°-140°	49.6	1.0
140°-150°	21.5	0.4
150°-160°	5.4	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	937.0	18.5
0°-40°	1544.4	30.5
0°-60°	2844.0	56.2
0°-90°	4273.2	84.4
90°-120°	624.5	12.3
90°-150°	785.2	15.5
90°-180°	791.0	15.6
0°-180°	5064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1218	1212	1197	1197	1188	116
15°	1166	1163	1151	1157	1148	329
25°	1066	1066	1069	1090	1087	491
35°	929	938	972	1002	1008	580
45°	762	796	853	905	917	588
55°	577	641	732	805	826	518
65°	389	477	607	698	726	386
75°	204	325	486	589	623	216
85°	46	200	377	489	522	52
90°	0	155	328	440	474	2
95°	3	122	286	395	431	1
105°	0	76	213	310	340	0
115°	0	49	155	234	258	0
125°	0	30	106	167	185	0
135°	0	18	67	109	122	0
145°	0	6	33	61	67	0
155°	0	3	9	18	21	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°	1205.7	1205.7	1205.7	1205.7	1205.7
2.5°	1223.9	1214.8	1199.6	1199.6	1190.5
5°	1217.8	1211.8	1196.6	1196.6	1187.5
7.5°	1211.8	1205.7	1187.5	1190.5	1181.4
10°	1199.6	1193.6	1178.4	1181.4	1172.3
12.5°	1184.4	1178.4	1166.2	1169.3	1160.1
15°	1166.2	1163.2	1151.0	1157.1	1148.0
17.5°	1145.0	1141.9	1132.8	1141.9	1135.8
20°	1120.7	1120.7	1114.6	1126.7	1120.7
22.5°	1093.3	1093.3	1090.3	1108.5	1102.4
25°	1066.0	1066.0	1069.0	1090.3	1087.3
27.5°	1035.6	1038.7	1047.8	1072.1	1069.0
30°	1002.2	1008.3	1023.5	1050.8	1050.8
32.5°	965.8	971.8	996.1	1029.6	1029.6
35°	929.3	938.4	971.8	1002.2	1008.3
37.5°	886.8	902.0	941.5	977.9	984.0
40°	847.3	868.6	911.1	953.6	962.7
42.5°	804.8	832.1	883.8	932.4	941.5
45°	762.3	795.7	853.4	905.0	917.2
47.5°	719.8	756.2	826.1	880.7	899.0
50°	671.2	716.7	792.7	856.4	871.6
52.5°	625.6	677.3	762.3	829.1	850.4
55°	577.0	640.8	731.9	804.8	826.1
57.5°	534.5	598.3	698.5	780.5	801.8
60°	485.9	555.8	668.1	750.1	774.4
62.5°	437.3	519.3	637.8	725.8	753.2
65°	388.7	476.8	607.4	698.5	725.8
67.5°	343.2	437.3	574.0	671.2	701.6
70°	294.6	397.9	543.6	643.9	674.2
72.5°	249.0	361.4	516.3	616.5	649.9
75°	203.5	325.0	485.9	589.2	622.6
77.5°	161.0	291.6	455.6	564.9	601.3
80°	115.4	258.1	428.2	537.6	574.0
82.5°	79.0	227.8	403.9	513.3	546.7
85°	45.6	200.4	376.6	489.0	522.4
87.5°	18.2	176.1	349.3	461.6	498.1
90°	0.0	154.9	328.0	440.4	473.8
92.5°	0.0	136.7	306.7	416.1	452.5
95°	3.0	121.5	285.5	394.8	431.3
97.5°	0.0	106.3	267.3	373.6	407.0
100°	0.0	97.2	249.0	352.3	385.7
102.5°	0.0	85.0	230.8	331.0	364.4
105°	0.0	75.9	212.6	309.8	340.1
107.5°	0.0	69.9	197.4	291.6	318.9
110°	0.0	60.7	182.2	273.3	300.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.7	167.0	252.1	279.4
115°	0.0	48.6	154.9	233.9	258.1
117.5°	0.0	45.6	139.7	215.6	239.9
120°	0.0	39.5	127.6	200.4	221.7
122.5°	0.0	36.4	118.4	182.2	203.5
125°	0.0	30.4	106.3	167.0	185.3
127.5°	0.0	27.3	94.1	151.9	167.0
130°	0.0	24.3	85.0	136.7	151.9
132.5°	0.0	21.3	75.9	121.5	136.7
135°	0.0	18.2	66.8	109.3	121.5
137.5°	0.0	15.2	57.7	94.1	106.3
140°	0.0	12.1	48.6	82.0	91.1
142.5°	0.0	9.1	42.5	69.9	79.0
145°	0.0	6.1	33.4	60.7	66.8
147.5°	0.0	6.1	27.3	48.6	54.7
150°	0.0	3.0	18.2	39.5	42.5
152.5°	0.0	3.0	15.2	30.4	30.4
155°	0.0	3.0	9.1	18.2	21.3
157.5°	0.0	0.0	6.1	12.1	12.1
160°	0.0	0.0	3.0	6.1	9.1
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)