

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: P218345

Luminaire Tested: **4SNLED-LD5-50SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218345
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-LD5-50SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5420.1 lumens
Efficiency: N/A
Efficacy: 115.1 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

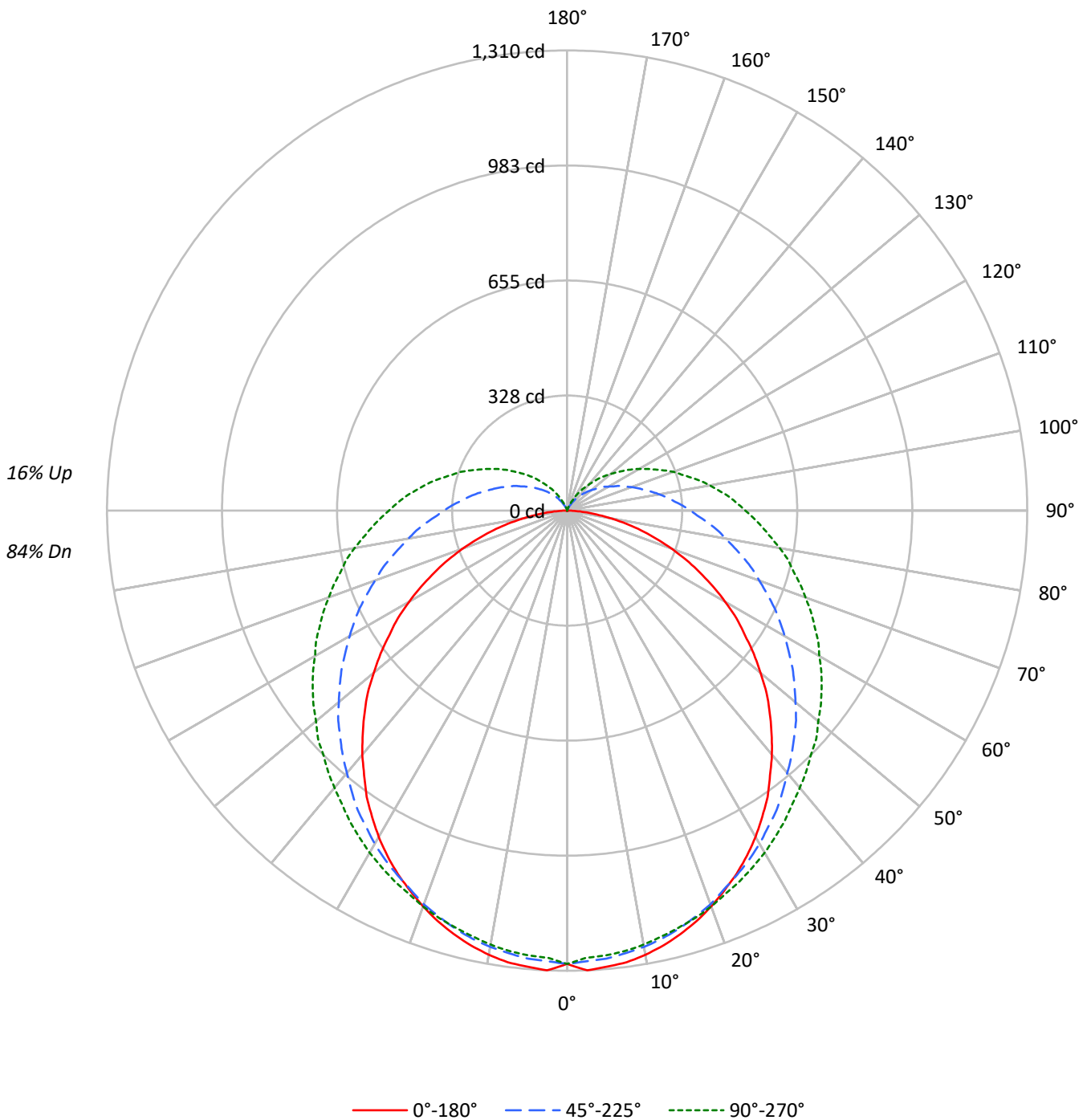
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20795	20795	20795
5°	21008	19461	18905
10°	20856	18264	17452
15°	20592	17164	16166
20°	20259	16131	15079
25°	19897	15142	14110
30°	19489	14300	13267
35°	19011	13499	12486
40°	18431	12677	11785
45°	17848	11986	11186
50°	17156	11326	10670
55°	16374	10725	10229
60°	15631	10126	9778
65°	14561	9609	9420
70°	13326	9065	9072
75°	11732	8637	8768
80°	9266	8214	8546
85°	6108	7912	8316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	2.3
10°-20°	349.5	6.4
20°-30°	531.2	9.8
30°-40°	650.1	12.0
40°-50°	701.9	12.9
50°-60°	689.1	12.7
60°-70°	620.6	11.5
70°-80°	513.9	9.5
80°-90°	395.2	7.3
90°-100°	298.0	5.5
100°-110°	219.2	4.0
110°-120°	151.3	2.8
120°-130°	95.9	1.8
130°-140°	53.1	1.0
140°-150°	23.0	0.4
150°-160°	5.7	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1002.9	18.5
0°-40°	1653.0	30.5
0°-60°	3043.9	56.2
0°-90°	4573.7	84.4
90°-120°	668.5	12.3
90°-150°	840.5	15.5
90°-180°	846.0	15.6
0°-180°	5420.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1304	1297	1281	1281	1271	124
15°	1248	1245	1232	1238	1229	352
25°	1141	1141	1144	1167	1164	525
35°	995	1004	1040	1073	1079	621
45°	816	852	913	969	982	629
55°	618	686	783	861	884	554
65°	416	510	650	748	777	413
75°	218	348	520	631	666	231
85°	49	214	403	523	559	56
90°	0	166	351	471	507	3
95°	3	130	306	423	462	1
105°	0	81	228	332	364	0
115°	0	52	166	250	276	0
125°	0	32	114	179	198	0
135°	0	20	72	117	130	0
145°	0	6	36	65	72	0
155°	0	3	10	20	23	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°	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1310.0	1300.2	1284.0	1284.0	1274.2
5°	1303.5	1297.0	1280.7	1280.7	1271.0
7.5°	1297.0	1290.5	1271.0	1274.2	1264.5
10°	1284.0	1277.5	1261.2	1264.5	1254.7
12.5°	1267.7	1261.2	1248.2	1251.5	1241.7
15°	1248.2	1245.0	1232.0	1238.5	1228.7
17.5°	1225.5	1222.2	1212.4	1222.2	1215.7
20°	1199.4	1199.4	1192.9	1205.9	1199.4
22.5°	1170.2	1170.2	1166.9	1186.4	1179.9
25°	1140.9	1140.9	1144.2	1166.9	1163.7
27.5°	1108.4	1111.7	1121.4	1147.4	1144.2
30°	1072.7	1079.2	1095.4	1124.7	1124.7
32.5°	1033.7	1040.2	1066.2	1101.9	1101.9
35°	994.7	1004.4	1040.2	1072.7	1079.2
37.5°	949.2	965.4	1007.7	1046.7	1053.2
40°	906.9	929.7	975.2	1020.7	1030.4
42.5°	861.4	890.6	945.9	997.9	1007.7
45°	815.9	851.6	913.4	968.7	981.7
47.5°	770.4	809.4	884.1	942.7	962.2
50°	718.4	767.1	848.4	916.7	932.9
52.5°	669.6	724.9	815.9	887.4	910.1
55°	617.6	685.9	783.4	861.4	884.1
57.5°	572.1	640.4	747.6	835.4	858.1
60°	520.1	594.8	715.1	802.9	828.9
62.5°	468.1	555.8	682.6	776.9	806.1
65°	416.1	510.3	650.1	747.6	776.9
67.5°	367.3	468.1	614.4	718.4	750.9
70°	315.3	425.8	581.8	689.1	721.6
72.5°	266.5	386.8	552.6	659.9	695.6
75°	217.8	347.8	520.1	630.6	666.4
77.5°	172.3	312.1	487.6	604.6	643.6
80°	123.5	276.3	458.3	575.3	614.4
82.5°	84.5	243.8	432.3	549.3	585.1
85°	48.8	214.5	403.1	523.3	559.1
87.5°	19.5	188.5	373.8	494.1	533.1
90°	0.0	165.8	351.1	471.3	507.1
92.5°	0.0	146.3	328.3	445.3	484.3
95°	3.3	130.0	305.6	422.6	461.6
97.5°	0.0	113.8	286.0	399.8	435.6
100°	0.0	104.0	266.5	377.1	412.8
102.5°	0.0	91.0	247.0	354.3	390.1
105°	0.0	81.3	227.5	331.6	364.1
107.5°	0.0	74.8	211.3	312.1	341.3
110°	0.0	65.0	195.0	292.5	321.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	58.5	178.8	269.8	299.0
115°	0.0	52.0	165.8	250.3	276.3
117.5°	0.0	48.8	149.5	230.8	256.8
120°	0.0	42.3	136.5	214.5	237.3
122.5°	0.0	39.0	126.8	195.0	217.8
125°	0.0	32.5	113.8	178.8	198.3
127.5°	0.0	29.3	100.8	162.5	178.8
130°	0.0	26.0	91.0	146.3	162.5
132.5°	0.0	22.8	81.3	130.0	146.3
135°	0.0	19.5	71.5	117.0	130.0
137.5°	0.0	16.3	61.8	100.8	113.8
140°	0.0	13.0	52.0	87.8	97.5
142.5°	0.0	9.8	45.5	74.8	84.5
145°	0.0	6.5	35.8	65.0	71.5
147.5°	0.0	6.5	29.3	52.0	58.5
150°	0.0	3.3	19.5	42.3	45.5
152.5°	0.0	3.3	16.3	32.5	32.5
155°	0.0	3.3	9.8	19.5	22.8
157.5°	0.0	0.0	6.5	13.0	13.0
160°	0.0	0.0	3.3	6.5	9.8
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)