

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: P218338

Luminaire Tested: **4SNLED-LD5-47SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218338
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-LD5-47SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5470.0 lumens
Efficiency: N/A
Efficacy: 127.8 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

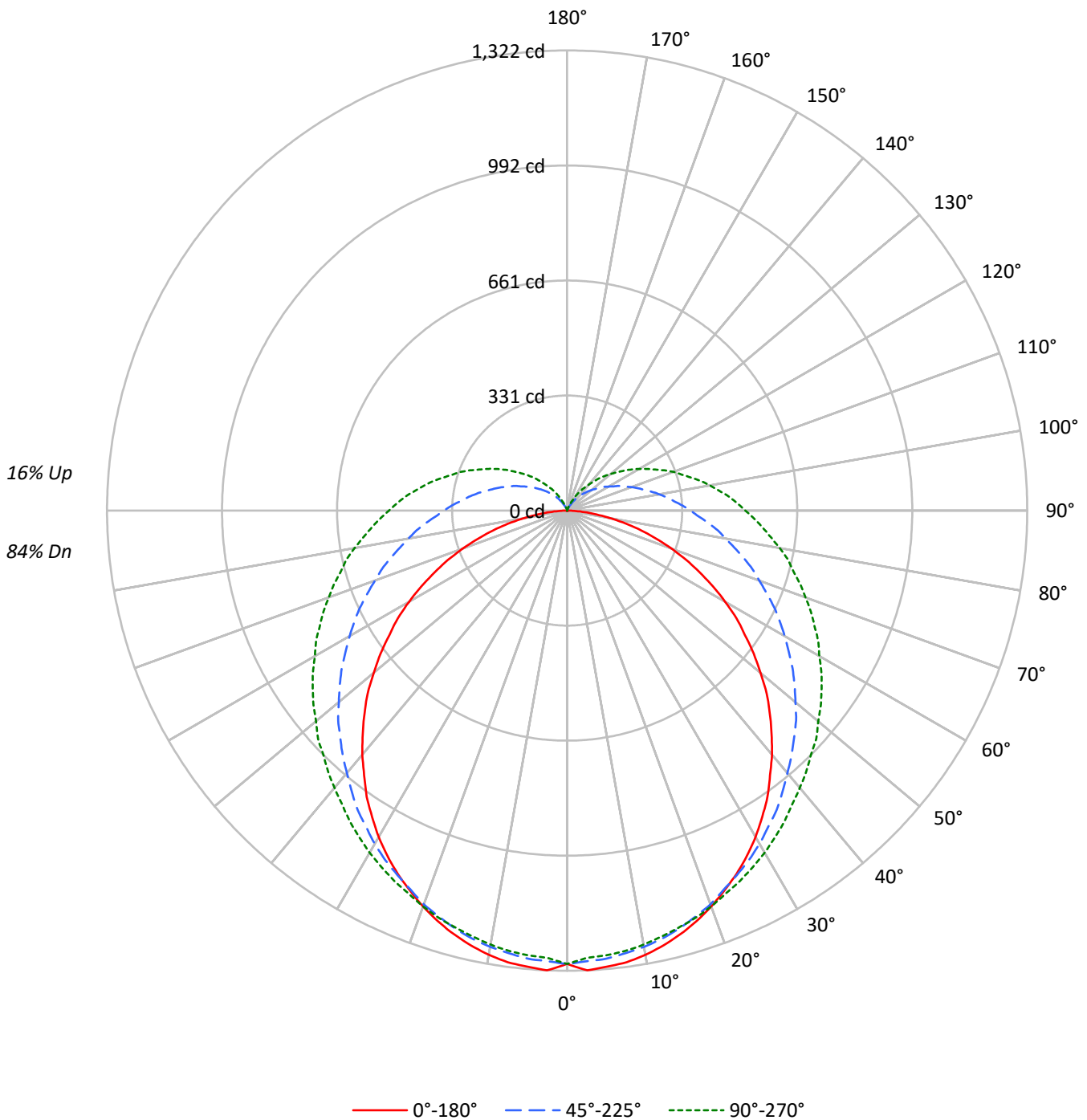
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65				
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°	20986	20986	20986
5°	21201	19641	19079
10°	21047	18432	17614
15°	20782	17322	16314
20°	20447	16281	15218
25°	20082	15281	14240
30°	19669	14432	13390
35°	19185	13624	12601
40°	18602	12794	11894
45°	18012	12096	11288
50°	17313	11430	10768
55°	16525	10824	10324
60°	15775	10220	9867
65°	14694	9697	9506
70°	13449	9149	9156
75°	11840	8717	8848
80°	9356	8291	8624
85°	6158	7984	8392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	2.3
10°-20°	352.7	6.4
20°-30°	536.1	9.8
30°-40°	656.1	12.0
40°-50°	708.3	12.9
50°-60°	695.4	12.7
60°-70°	626.3	11.5
70°-80°	518.6	9.5
80°-90°	398.9	7.3
90°-100°	300.7	5.5
100°-110°	221.3	4.0
110°-120°	152.6	2.8
120°-130°	96.8	1.8
130°-140°	53.6	1.0
140°-150°	23.2	0.4
150°-160°	5.8	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1012.1	18.5
0°-40°	1668.2	30.5
0°-60°	3072.0	56.2
0°-90°	4615.8	84.4
90°-120°	674.6	12.3
90°-150°	848.2	15.5
90°-180°	854.0	15.6
0°-180°	5470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1316	1309	1292	1292	1283	125
15°	1260	1256	1243	1250	1240	355
25°	1152	1152	1155	1178	1174	530
35°	1004	1014	1050	1083	1089	627
45°	823	860	922	978	991	635
55°	623	692	791	869	892	559
65°	420	515	656	754	784	417
75°	220	351	525	636	672	233
85°	49	216	407	528	564	56
90°	0	167	354	476	512	3
95°	3	131	308	426	466	1
105°	0	82	230	335	367	0
115°	0	52	167	253	279	0
125°	0	33	115	180	200	0
135°	0	20	72	118	131	0
145°	0	7	36	66	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°	1302.4	1302.4	1302.4	1302.4	1302.4
2.5°	1322.0	1312.2	1295.8	1295.8	1286.0
5°	1315.5	1308.9	1292.5	1292.5	1282.7
7.5°	1308.9	1302.4	1282.7	1286.0	1276.1
10°	1295.8	1289.2	1272.8	1276.1	1266.3
12.5°	1279.4	1272.8	1259.7	1263.0	1253.2
15°	1259.7	1256.4	1243.3	1249.9	1240.0
17.5°	1236.8	1233.5	1223.6	1233.5	1226.9
20°	1210.5	1210.5	1204.0	1217.1	1210.5
22.5°	1181.0	1181.0	1177.7	1197.4	1190.8
25°	1151.5	1151.5	1154.7	1177.7	1174.4
27.5°	1118.7	1121.9	1131.8	1158.0	1154.7
30°	1082.6	1089.1	1105.5	1135.1	1135.1
32.5°	1043.2	1049.8	1076.0	1112.1	1112.1
35°	1003.8	1013.7	1049.8	1082.6	1089.1
37.5°	957.9	974.3	1017.0	1056.3	1062.9
40°	915.3	938.2	984.2	1030.1	1039.9
42.5°	869.3	898.9	954.6	1007.1	1017.0
45°	823.4	859.5	921.8	977.6	990.7
47.5°	777.5	816.8	892.3	951.4	971.0
50°	725.0	774.2	856.2	925.1	941.5
52.5°	675.8	731.6	823.4	895.6	918.5
55°	623.3	692.2	790.6	869.3	892.3
57.5°	577.4	646.3	754.5	843.1	866.1
60°	524.9	600.3	721.7	810.3	836.5
62.5°	472.4	561.0	688.9	784.0	813.6
65°	419.9	515.0	656.1	754.5	784.0
67.5°	370.7	472.4	620.0	725.0	757.8
70°	318.2	429.7	587.2	695.5	728.3
72.5°	269.0	390.4	557.7	665.9	702.0
75°	219.8	351.0	524.9	636.4	672.5
77.5°	173.9	314.9	492.1	610.2	649.5
80°	124.7	278.8	462.6	580.7	620.0
82.5°	85.3	246.0	436.3	554.4	590.5
85°	49.2	216.5	406.8	528.2	564.2
87.5°	19.7	190.3	377.3	498.6	538.0
90°	0.0	167.3	354.3	475.7	511.8
92.5°	0.0	147.6	331.3	449.4	488.8
95°	3.3	131.2	308.4	426.5	465.8
97.5°	0.0	114.8	288.7	403.5	439.6
100°	0.0	105.0	269.0	380.5	416.6
102.5°	0.0	91.9	249.3	357.6	393.7
105°	0.0	82.0	229.6	334.6	367.4
107.5°	0.0	75.5	213.2	314.9	344.5
110°	0.0	65.6	196.8	295.2	324.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.0	180.4	272.3	301.8
115°	0.0	52.5	167.3	252.6	278.8
117.5°	0.0	49.2	150.9	232.9	259.2
120°	0.0	42.6	137.8	216.5	239.5
122.5°	0.0	39.4	127.9	196.8	219.8
125°	0.0	32.8	114.8	180.4	200.1
127.5°	0.0	29.5	101.7	164.0	180.4
130°	0.0	26.2	91.9	147.6	164.0
132.5°	0.0	23.0	82.0	131.2	147.6
135°	0.0	19.7	72.2	118.1	131.2
137.5°	0.0	16.4	62.3	101.7	114.8
140°	0.0	13.1	52.5	88.6	98.4
142.5°	0.0	9.8	45.9	75.5	85.3
145°	0.0	6.6	36.1	65.6	72.2
147.5°	0.0	6.6	29.5	52.5	59.0
150°	0.0	3.3	19.7	42.6	45.9
152.5°	0.0	3.3	16.4	32.8	32.8
155°	0.0	3.3	9.8	19.7	23.0
157.5°	0.0	0.0	6.6	13.1	13.1
160°	0.0	0.0	3.3	6.6	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)