

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: P218337

Luminaire Tested: **4SNLED-LD5-47SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218337
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5057.0 lumens
Efficiency: N/A
Efficacy: 118.2 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

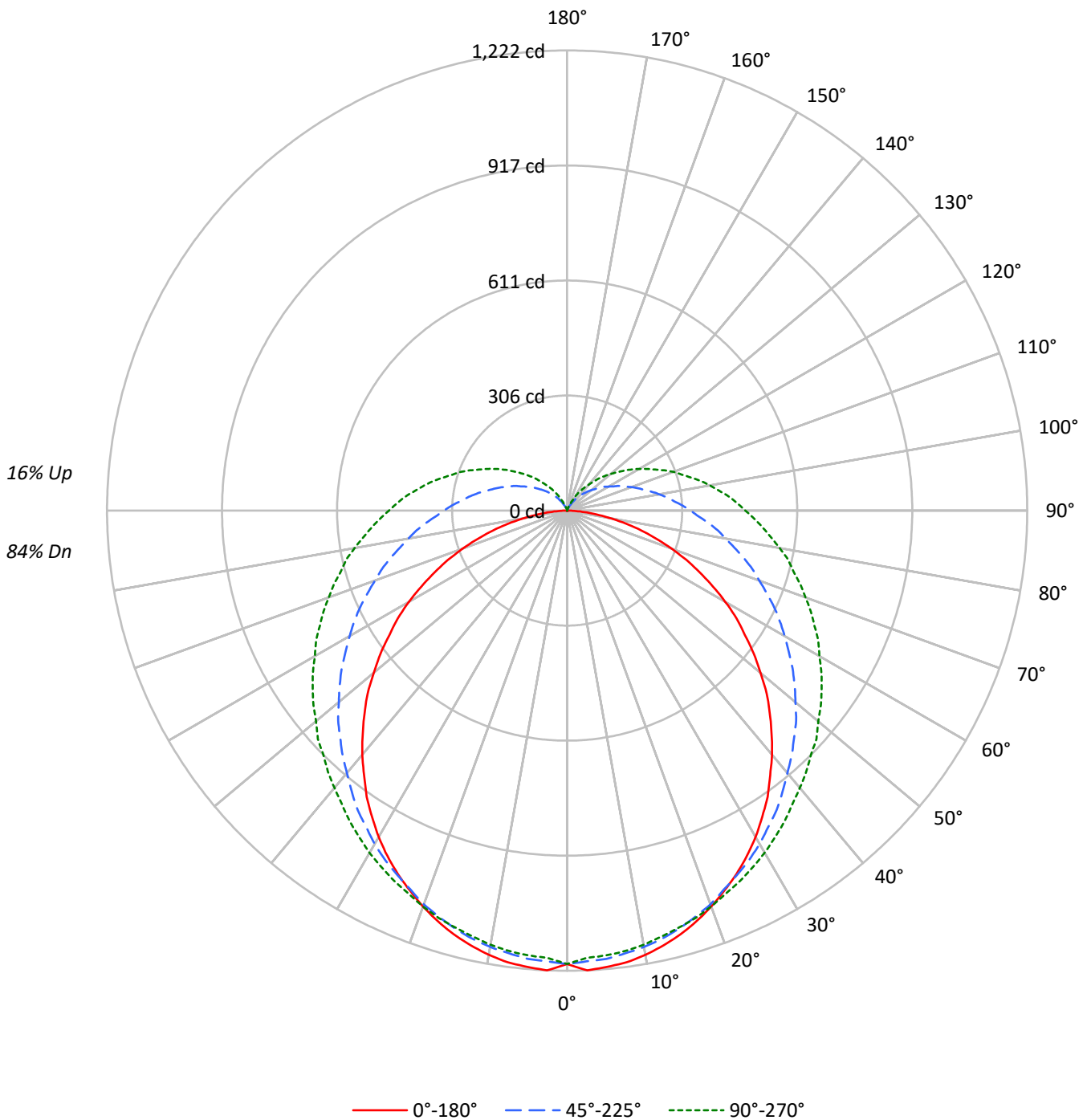
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	19401	19401	19401
5°	19601	18158	17637
10°	19459	17040	16284
15°	19213	16014	15083
20°	18903	15050	14069
25°	18565	14128	13166
30°	18183	13343	12379
35°	17736	12595	11650
40°	17197	11827	10996
45°	16651	11183	10436
50°	16007	10567	9955
55°	15276	10006	9544
60°	14585	9448	9123
65°	13585	8966	8788
70°	12434	8459	8465
75°	10945	8059	8180
80°	8643	7664	7973
85°	5695	7382	7758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	2.3
10°-20°	326.1	6.4
20°-30°	495.6	9.8
30°-40°	606.6	12.0
40°-50°	654.9	12.9
50°-60°	642.9	12.7
60°-70°	579.0	11.5
70°-80°	479.5	9.5
80°-90°	368.8	7.3
90°-100°	278.0	5.5
100°-110°	204.6	4.0
110°-120°	141.1	2.8
120°-130°	89.5	1.8
130°-140°	49.5	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°	935.7	18.5
0°-40°	1542.3	30.5
0°-60°	2840.0	56.2
0°-90°	4267.4	84.4
90°-120°	623.7	12.3
90°-150°	784.2	15.5
90°-180°	790.0	15.6
0°-180°	5057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1216	1210	1195	1195	1186	116
15°	1165	1162	1149	1156	1146	328
25°	1064	1064	1068	1089	1086	490
35°	928	937	970	1001	1007	579
45°	761	795	852	904	916	587
55°	576	640	731	804	825	517
65°	388	476	607	698	725	385
75°	203	324	485	588	622	215
85°	46	200	376	488	522	52
90°	0	155	328	440	473	2
95°	3	121	285	394	431	1
105°	0	76	212	309	340	0
115°	0	48	155	234	258	0
125°	0	30	106	167	185	0
135°	0	18	67	109	121	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°	1204.0	1204.0	1204.0	1204.0	1204.0
2.5°	1222.2	1213.1	1198.0	1198.0	1188.9
5°	1216.2	1210.1	1194.9	1194.9	1185.8
7.5°	1210.1	1204.0	1185.8	1188.9	1179.8
10°	1198.0	1191.9	1176.7	1179.8	1170.7
12.5°	1182.8	1176.7	1164.6	1167.6	1158.5
15°	1164.6	1161.6	1149.4	1155.5	1146.4
17.5°	1143.4	1140.3	1131.2	1140.3	1134.3
20°	1119.1	1119.1	1113.0	1125.2	1119.1
22.5°	1091.8	1091.8	1088.8	1107.0	1100.9
25°	1064.5	1064.5	1067.6	1088.8	1085.8
27.5°	1034.2	1037.2	1046.3	1070.6	1067.6
30°	1000.8	1006.9	1022.1	1049.4	1049.4
32.5°	964.4	970.5	994.8	1028.1	1028.1
35°	928.0	937.1	970.5	1000.8	1006.9
37.5°	885.6	900.8	940.2	976.6	982.6
40°	846.2	867.4	909.8	952.3	961.4
42.5°	803.7	831.0	882.6	931.1	940.2
45°	761.2	794.6	852.2	903.8	915.9
47.5°	718.8	755.2	824.9	879.5	897.7
50°	670.3	715.7	791.6	855.3	870.4
52.5°	624.8	676.3	761.2	828.0	849.2
55°	576.2	639.9	730.9	803.7	824.9
57.5°	533.8	597.5	697.6	779.4	800.7
60°	485.3	555.0	667.2	749.1	773.4
62.5°	436.7	518.6	636.9	724.8	752.1
65°	388.2	476.2	606.6	697.6	724.8
67.5°	342.7	436.7	573.2	670.3	700.6
70°	294.2	397.3	542.9	643.0	673.3
72.5°	248.7	360.9	515.6	615.7	649.0
75°	203.2	324.5	485.3	588.4	621.7
77.5°	160.7	291.2	454.9	564.1	600.5
80°	115.2	257.8	427.6	536.8	573.2
82.5°	78.9	227.5	403.4	512.5	545.9
85°	45.5	200.2	376.1	488.3	521.6
87.5°	18.2	175.9	348.8	461.0	497.4
90°	0.0	154.7	327.5	439.8	473.1
92.5°	0.0	136.5	306.3	415.5	451.9
95°	3.0	121.3	285.1	394.3	430.7
97.5°	0.0	106.1	266.9	373.0	406.4
100°	0.0	97.1	248.7	351.8	385.2
102.5°	0.0	84.9	230.5	330.6	363.9
105°	0.0	75.8	212.3	309.3	339.7
107.5°	0.0	69.8	197.1	291.2	318.4
110°	0.0	60.7	182.0	273.0	300.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.6	166.8	251.7	279.0
115°	0.0	48.5	154.7	233.5	257.8
117.5°	0.0	45.5	139.5	215.3	239.6
120°	0.0	39.4	127.4	200.2	221.4
122.5°	0.0	36.4	118.3	182.0	203.2
125°	0.0	30.3	106.1	166.8	185.0
127.5°	0.0	27.3	94.0	151.6	166.8
130°	0.0	24.3	84.9	136.5	151.6
132.5°	0.0	21.2	75.8	121.3	136.5
135°	0.0	18.2	66.7	109.2	121.3
137.5°	0.0	15.2	57.6	94.0	106.1
140°	0.0	12.1	48.5	81.9	91.0
142.5°	0.0	9.1	42.5	69.8	78.9
145°	0.0	6.1	33.4	60.7	66.7
147.5°	0.0	6.1	27.3	48.5	54.6
150°	0.0	3.0	18.2	39.4	42.5
152.5°	0.0	3.0	15.2	30.3	30.3
155°	0.0	3.0	9.1	18.2	21.2
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)