

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: P218325

Luminaire Tested: **4SNLED-LD5-41SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218325
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-LD5-41SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4288.0 lumens
Efficiency: N/A
Efficacy: 123.9 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

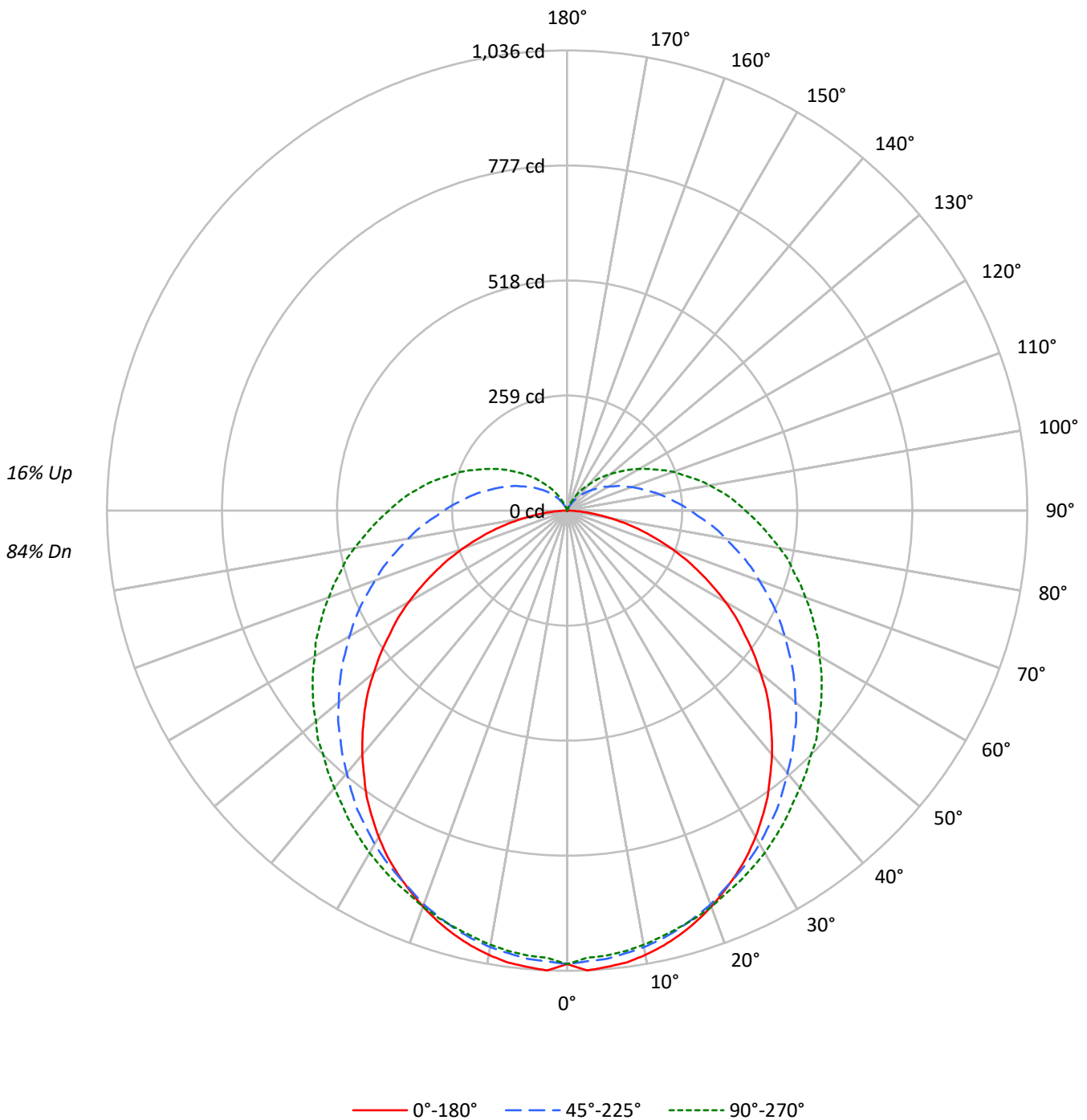
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	16450	16450	16450
5°	16619	15396	14956
10°	16499	14449	13808
15°	16291	13580	12790
20°	16028	12762	11930
25°	15741	11979	11163
30°	15418	11313	10496
35°	15040	10679	9878
40°	14582	10029	9324
45°	14120	9482	8849
50°	13571	8960	8442
55°	12954	8485	8093
60°	12367	8012	7736
65°	11520	7601	7452
70°	10541	7172	7177
75°	9281	6833	6936
80°	7330	6499	6760
85°	4831	6259	6579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	2.3
10°-20°	276.5	6.4
20°-30°	420.2	9.8
30°-40°	514.3	12.0
40°-50°	555.3	12.9
50°-60°	545.2	12.7
60°-70°	491.0	11.5
70°-80°	406.6	9.5
80°-90°	312.7	7.3
90°-100°	235.7	5.5
100°-110°	173.4	4.0
110°-120°	119.7	2.8
120°-130°	75.9	1.8
130°-140°	42.0	1.0
140°-150°	18.2	0.4
150°-160°	4.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	793.4	18.5
0°-40°	1307.7	30.5
0°-60°	2408.2	56.2
0°-90°	3618.4	84.4
90°-120°	528.8	12.3
90°-150°	664.9	15.5
90°-180°	670.0	15.6
0°-180°	4288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1031	1026	1013	1013	1006	98
15°	988	985	975	980	972	278
25°	903	903	905	923	921	416
35°	787	795	823	849	854	491
45°	646	674	723	766	777	498
55°	489	543	620	682	700	438
65°	329	404	514	592	615	327
75°	172	275	412	499	527	183
85°	39	170	319	414	442	44
90°	0	131	278	373	401	2
95°	3	103	242	334	365	1
105°	0	64	180	262	288	0
115°	0	41	131	198	219	0
125°	0	26	90	141	157	0
135°	0	15	57	93	103	0
145°	0	5	28	51	57	0
155°	0	3	8	15	18	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°	1020.9	1020.9	1020.9	1020.9	1020.9
2.5°	1036.4	1028.7	1015.8	1015.8	1008.1
5°	1031.2	1026.1	1013.2	1013.2	1005.5
7.5°	1026.1	1020.9	1005.5	1008.1	1000.4
10°	1015.8	1010.7	997.8	1000.4	992.7
12.5°	1002.9	997.8	987.5	990.1	982.4
15°	987.5	984.9	974.7	979.8	972.1
17.5°	969.5	966.9	959.2	966.9	961.8
20°	948.9	948.9	943.8	954.1	948.9
22.5°	925.8	925.8	923.2	938.6	933.5
25°	902.6	902.6	905.2	923.2	920.6
27.5°	876.9	879.5	887.2	907.8	905.2
30°	848.6	853.8	866.6	889.8	889.8
32.5°	817.8	822.9	843.5	871.8	871.8
35°	786.9	794.6	822.9	848.6	853.8
37.5°	750.9	763.8	797.2	828.1	833.2
40°	717.5	735.5	771.5	807.5	815.2
42.5°	681.5	704.6	748.3	789.5	797.2
45°	645.5	673.8	722.6	766.3	776.6
47.5°	609.5	640.3	699.5	745.8	761.2
50°	568.3	606.9	671.2	725.2	738.1
52.5°	529.8	573.5	645.5	702.1	720.1
55°	488.6	542.6	619.8	681.5	699.5
57.5°	452.6	506.6	591.5	660.9	678.9
60°	411.5	470.6	565.8	635.2	655.8
62.5°	370.3	439.8	540.0	614.6	637.8
65°	329.2	403.7	514.3	591.5	614.6
67.5°	290.6	370.3	486.0	568.3	594.0
70°	249.4	336.9	460.3	545.2	570.9
72.5°	210.9	306.0	437.2	522.0	550.3
75°	172.3	275.2	411.5	498.9	527.2
77.5°	136.3	246.9	385.7	478.3	509.2
80°	97.7	218.6	362.6	455.2	486.0
82.5°	66.9	192.9	342.0	434.6	462.9
85°	38.6	169.7	318.9	414.0	442.3
87.5°	15.4	149.2	295.7	390.9	421.7
90°	0.0	131.2	277.7	372.9	401.2
92.5°	0.0	115.7	259.7	352.3	383.2
95°	2.6	102.9	241.7	334.3	365.2
97.5°	0.0	90.0	226.3	316.3	344.6
100°	0.0	82.3	210.9	298.3	326.6
102.5°	0.0	72.0	195.4	280.3	308.6
105°	0.0	64.3	180.0	262.3	288.0
107.5°	0.0	59.1	167.2	246.9	270.0
110°	0.0	51.4	154.3	231.4	254.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.3	141.4	213.4	236.6
115°	0.0	41.1	131.2	198.0	218.6
117.5°	0.0	38.6	118.3	182.6	203.2
120°	0.0	33.4	108.0	169.7	187.7
122.5°	0.0	30.9	100.3	154.3	172.3
125°	0.0	25.7	90.0	141.4	156.9
127.5°	0.0	23.1	79.7	128.6	141.4
130°	0.0	20.6	72.0	115.7	128.6
132.5°	0.0	18.0	64.3	102.9	115.7
135°	0.0	15.4	56.6	92.6	102.9
137.5°	0.0	12.9	48.9	79.7	90.0
140°	0.0	10.3	41.1	69.4	77.1
142.5°	0.0	7.7	36.0	59.1	66.9
145°	0.0	5.1	28.3	51.4	56.6
147.5°	0.0	5.1	23.1	41.1	46.3
150°	0.0	2.6	15.4	33.4	36.0
152.5°	0.0	2.6	12.9	25.7	25.7
155°	0.0	2.6	7.7	15.4	18.0
157.5°	0.0	0.0	5.1	10.3	10.3
160°	0.0	0.0	2.6	5.1	7.7
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)