

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: P218324

Luminaire Tested: **4SNLED-LD5-41SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218324
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4204.0 lumens
Efficiency: N/A
Efficacy: 121.5 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

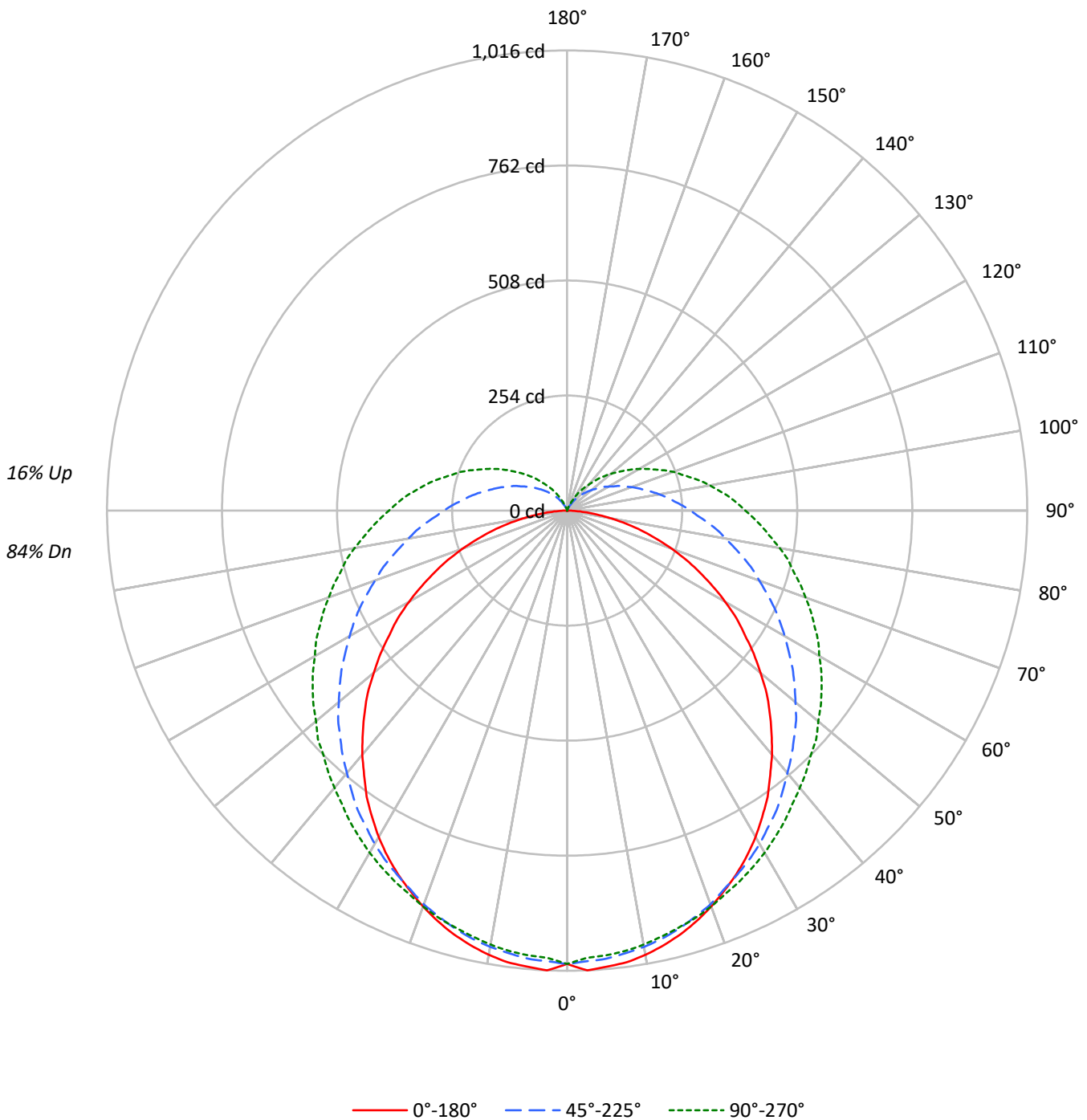
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	16128	16128	16128
5°	16294	15096	14663
10°	16176	14166	13537
15°	15973	13314	12538
20°	15714	12512	11696
25°	15434	11745	10944
30°	15116	11092	10291
35°	14745	10470	9685
40°	14295	9833	9141
45°	13842	9297	8675
50°	13306	8784	8276
55°	12699	8318	7935
60°	12124	7855	7584
65°	11293	7454	7307
70°	10338	7031	7037
75°	9098	6699	6801
80°	7188	6371	6628
85°	4731	6135	6451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	2.3
10°-20°	271.1	6.4
20°-30°	412.0	9.8
30°-40°	504.2	12.0
40°-50°	544.4	12.9
50°-60°	534.5	12.7
60°-70°	481.4	11.5
70°-80°	398.6	9.5
80°-90°	306.6	7.3
90°-100°	231.1	5.5
100°-110°	170.0	4.0
110°-120°	117.3	2.8
120°-130°	74.4	1.8
130°-140°	41.2	1.0
140°-150°	17.8	0.4
150°-160°	4.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	777.9	18.5
0°-40°	1282.1	30.5
0°-60°	2361.0	56.2
0°-90°	3547.5	84.4
90°-120°	518.5	12.3
90°-150°	651.9	15.5
90°-180°	656.0	15.6
0°-180°	4204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	1011	1006	993	993	986	96
15°	968	966	956	961	953	273
25°	885	885	888	905	903	408
35°	772	779	807	832	837	482
45°	633	661	708	751	761	488
55°	479	532	608	668	686	430
65°	323	396	504	580	603	320
75°	169	270	403	489	517	179
85°	38	166	313	406	434	43
90°	0	129	272	366	393	2
95°	2	101	237	328	358	1
105°	0	63	176	257	282	0
115°	0	40	129	194	214	0
125°	0	25	88	139	154	0
135°	0	15	56	91	101	0
145°	0	5	28	50	56	0
155°	0	2	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°	1000.9	1000.9	1000.9	1000.9	1000.9
2.5°	1016.1	1008.5	995.9	995.9	988.3
5°	1011.0	1006.0	993.4	993.4	985.8
7.5°	1006.0	1000.9	985.8	988.3	980.8
10°	995.9	990.9	978.2	980.8	973.2
12.5°	983.3	978.2	968.2	970.7	963.1
15°	968.2	965.6	955.6	960.6	953.0
17.5°	950.5	948.0	940.4	948.0	943.0
20°	930.3	930.3	925.3	935.4	930.3
22.5°	907.7	907.7	905.1	920.3	915.2
25°	885.0	885.0	887.5	905.1	902.6
27.5°	859.8	862.3	869.8	890.0	887.5
30°	832.0	837.1	849.7	872.4	872.4
32.5°	801.8	806.8	827.0	854.7	854.7
35°	771.5	779.1	806.8	832.0	837.1
37.5°	736.2	748.8	781.6	811.8	816.9
40°	703.4	721.1	756.4	791.7	799.2
42.5°	668.1	690.8	733.7	774.0	781.6
45°	632.8	660.6	708.5	751.3	761.4
47.5°	597.5	627.8	685.8	731.2	746.3
50°	557.2	595.0	658.0	711.0	723.6
52.5°	519.4	562.2	632.8	688.3	706.0
55°	479.0	532.0	607.6	668.1	685.8
57.5°	443.7	496.7	579.9	648.0	665.6
60°	403.4	461.4	554.7	622.8	642.9
62.5°	363.1	431.1	529.5	602.6	625.3
65°	322.7	395.8	504.3	579.9	602.6
67.5°	284.9	363.1	476.5	557.2	582.4
70°	244.6	330.3	451.3	534.5	559.7
72.5°	206.7	300.0	428.6	511.8	539.6
75°	168.9	269.8	403.4	489.1	516.9
77.5°	133.6	242.0	378.2	469.0	499.2
80°	95.8	214.3	355.5	446.3	476.5
82.5°	65.6	189.1	335.3	426.1	453.8
85°	37.8	166.4	312.6	405.9	433.7
87.5°	15.1	146.2	289.9	383.2	413.5
90°	0.0	128.6	272.3	365.6	393.3
92.5°	0.0	113.5	254.6	345.4	375.7
95°	2.5	100.9	237.0	327.8	358.0
97.5°	0.0	88.2	221.9	310.1	337.8
100°	0.0	80.7	206.7	292.5	320.2
102.5°	0.0	70.6	191.6	274.8	302.6
105°	0.0	63.0	176.5	257.2	282.4
107.5°	0.0	58.0	163.9	242.0	264.7
110°	0.0	50.4	151.3	226.9	249.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.4	138.7	209.3	232.0
115°	0.0	40.3	128.6	194.1	214.3
117.5°	0.0	37.8	116.0	179.0	199.2
120°	0.0	32.8	105.9	166.4	184.1
122.5°	0.0	30.3	98.3	151.3	168.9
125°	0.0	25.2	88.2	138.7	153.8
127.5°	0.0	22.7	78.2	126.1	138.7
130°	0.0	20.2	70.6	113.5	126.1
132.5°	0.0	17.6	63.0	100.9	113.5
135°	0.0	15.1	55.5	90.8	100.9
137.5°	0.0	12.6	47.9	78.2	88.2
140°	0.0	10.1	40.3	68.1	75.6
142.5°	0.0	7.6	35.3	58.0	65.6
145°	0.0	5.0	27.7	50.4	55.5
147.5°	0.0	5.0	22.7	40.3	45.4
150°	0.0	2.5	15.1	32.8	35.3
152.5°	0.0	2.5	12.6	25.2	25.2
155°	0.0	2.5	7.6	15.1	17.6
157.5°	0.0	0.0	5.0	10.1	10.1
160°	0.0	0.0	2.5	5.0	7.6
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)