

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: P218327

Luminaire Tested: **4SNLED-LD5-44HL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218327
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-LD5-44HL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4188.0 lumens
Efficiency: N/A
Efficacy: 113.2 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

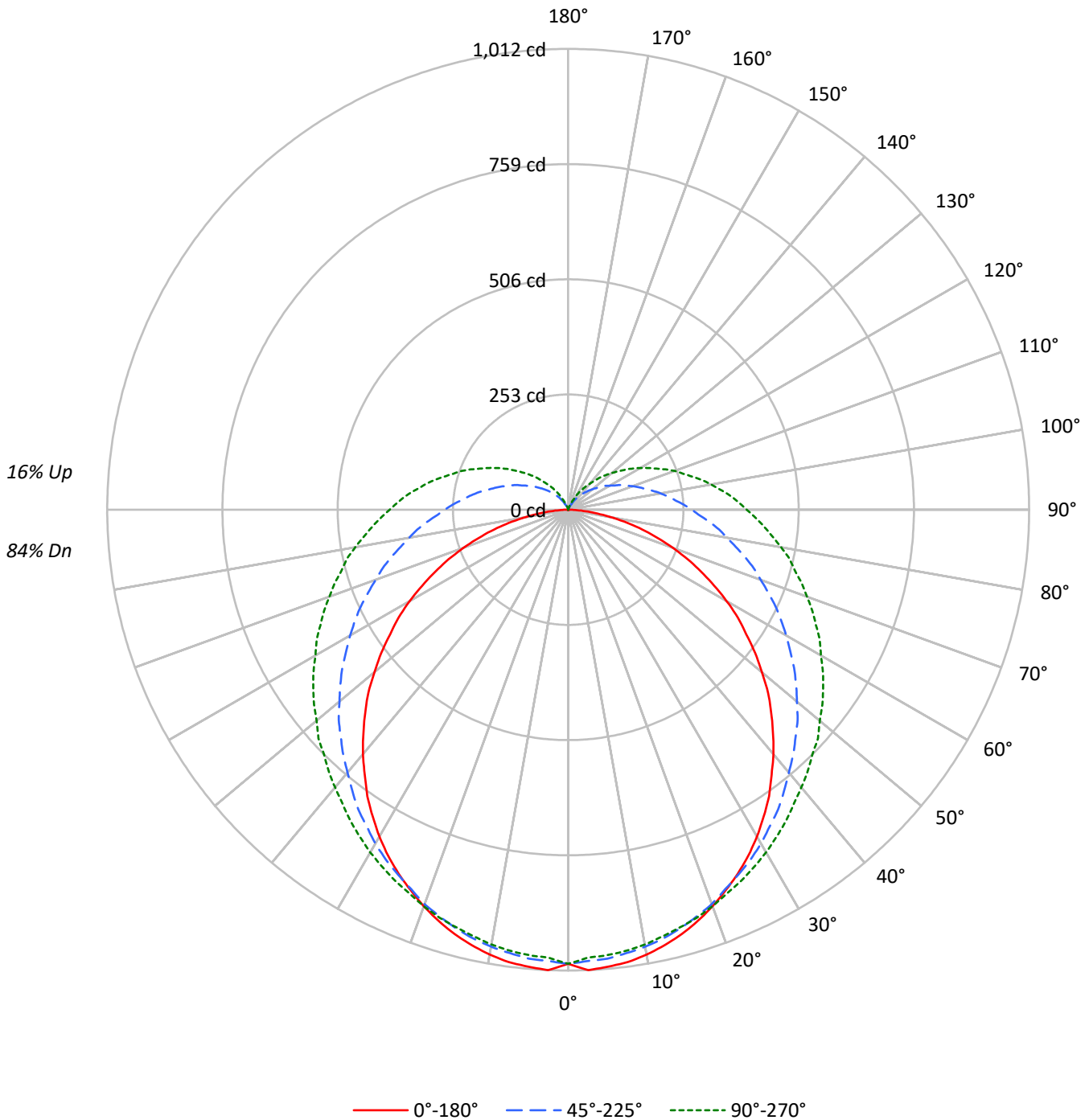
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16067	16067	16067
5°	16232	15038	14608
10°	16114	14112	13485
15°	15912	13262	12491
20°	15655	12465	11652
25°	15375	11700	10903
30°	15058	11049	10251
35°	14690	10430	9648
40°	14242	9795	9107
45°	13790	9262	8642
50°	13256	8750	8244
55°	12652	8287	7905
60°	12079	7825	7555
65°	11251	7424	7279
70°	10296	7005	7010
75°	9066	6674	6774
80°	7158	6346	6603
85°	4718	6112	6426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	2.3
10°-20°	270.0	6.4
20°-30°	410.4	9.8
30°-40°	502.3	12.0
40°-50°	542.3	12.9
50°-60°	532.4	12.7
60°-70°	479.5	11.5
70°-80°	397.1	9.5
80°-90°	305.4	7.3
90°-100°	230.2	5.5
100°-110°	169.4	4.0
110°-120°	116.9	2.8
120°-130°	74.1	1.8
130°-140°	41.0	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°	774.9	18.5
0°-40°	1277.2	30.5
0°-60°	2352.0	56.2
0°-90°	3534.1	84.4
90°-120°	516.5	12.3
90°-150°	649.4	15.5
90°-180°	654.0	15.6
0°-180°	4188.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	1007	1002	990	990	982	96
15°	964	962	952	957	949	272
25°	882	882	884	902	899	406
35°	769	776	804	829	834	480
45°	630	658	706	748	758	486
55°	477	530	605	666	683	428
65°	322	394	502	578	600	319
75°	168	269	402	487	515	178
85°	38	166	311	404	432	43
90°	0	128	271	364	392	2
95°	2	100	236	326	357	1
105°	0	63	176	256	281	0
115°	0	40	128	193	214	0
125°	0	25	88	138	153	0
135°	0	15	55	90	100	0
145°	0	5	28	50	55	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°	997.1	997.1	997.1	997.1	997.1
2.5°	1012.2	1004.7	992.1	992.1	984.6
5°	1007.2	1002.2	989.6	989.6	982.1
7.5°	1002.2	997.1	982.1	984.6	977.0
10°	992.1	987.1	974.5	977.0	969.5
12.5°	979.5	974.5	964.5	967.0	959.5
15°	964.5	962.0	951.9	956.9	949.4
17.5°	946.9	944.4	936.9	944.4	939.4
20°	926.8	926.8	921.8	931.8	926.8
22.5°	904.2	904.2	901.7	916.8	911.7
25°	881.6	881.6	884.1	901.7	899.2
27.5°	856.5	859.0	866.5	886.6	884.1
30°	828.8	833.9	846.4	869.0	869.0
32.5°	798.7	803.7	823.8	851.5	851.5
35°	768.6	776.1	803.7	828.8	833.9
37.5°	733.4	746.0	778.6	808.8	813.8
40°	700.8	718.3	753.5	788.7	796.2
42.5°	665.6	688.2	730.9	771.1	778.6
45°	630.4	658.1	705.8	748.5	758.5
47.5°	595.3	625.4	683.2	728.4	743.5
50°	555.1	592.8	655.5	708.3	720.8
52.5°	517.4	560.1	630.4	685.7	703.3
55°	477.2	530.0	605.3	665.6	683.2
57.5°	442.1	494.8	577.7	645.5	663.1
60°	401.9	459.6	552.6	620.4	640.5
62.5°	361.7	429.5	527.4	600.3	622.9
65°	321.5	394.3	502.3	577.7	600.3
67.5°	283.8	361.7	474.7	555.1	580.2
70°	243.6	329.0	449.6	532.5	557.6
72.5°	206.0	298.9	427.0	509.9	537.5
75°	168.3	268.7	401.9	487.3	514.9
77.5°	133.1	241.1	376.7	467.2	497.3
80°	95.4	213.5	354.1	444.6	474.7
82.5°	65.3	188.4	334.1	424.5	452.1
85°	37.7	165.8	311.4	404.4	432.0
87.5°	15.1	145.7	288.8	381.8	411.9
90°	0.0	128.1	271.3	364.2	391.8
92.5°	0.0	113.0	253.7	344.1	374.2
95°	2.5	100.5	236.1	326.5	356.7
97.5°	0.0	87.9	221.0	308.9	336.6
100°	0.0	80.4	206.0	291.4	319.0
102.5°	0.0	70.3	190.9	273.8	301.4
105°	0.0	62.8	175.8	256.2	281.3
107.5°	0.0	57.8	163.3	241.1	263.7
110°	0.0	50.2	150.7	226.0	248.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.2	138.1	208.5	231.1
115°	0.0	40.2	128.1	193.4	213.5
117.5°	0.0	37.7	115.5	178.3	198.4
120°	0.0	32.7	105.5	165.8	183.4
122.5°	0.0	30.1	98.0	150.7	168.3
125°	0.0	25.1	87.9	138.1	153.2
127.5°	0.0	22.6	77.9	125.6	138.1
130°	0.0	20.1	70.3	113.0	125.6
132.5°	0.0	17.6	62.8	100.5	113.0
135°	0.0	15.1	55.3	90.4	100.5
137.5°	0.0	12.6	47.7	77.9	87.9
140°	0.0	10.0	40.2	67.8	75.3
142.5°	0.0	7.5	35.2	57.8	65.3
145°	0.0	5.0	27.6	50.2	55.3
147.5°	0.0	5.0	22.6	40.2	45.2
150°	0.0	2.5	15.1	32.7	35.2
152.5°	0.0	2.5	12.6	25.1	25.1
155°	0.0	2.5	7.5	15.1	17.6
157.5°	0.0	0.0	5.0	10.0	10.0
160°	0.0	0.0	2.5	5.0	7.5
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)