

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: P218332

Luminaire Tested: **4SNLED-LD5-44SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218332
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-LD5-44SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4589.0 lumens
Efficiency: N/A
Efficacy: 118.6 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

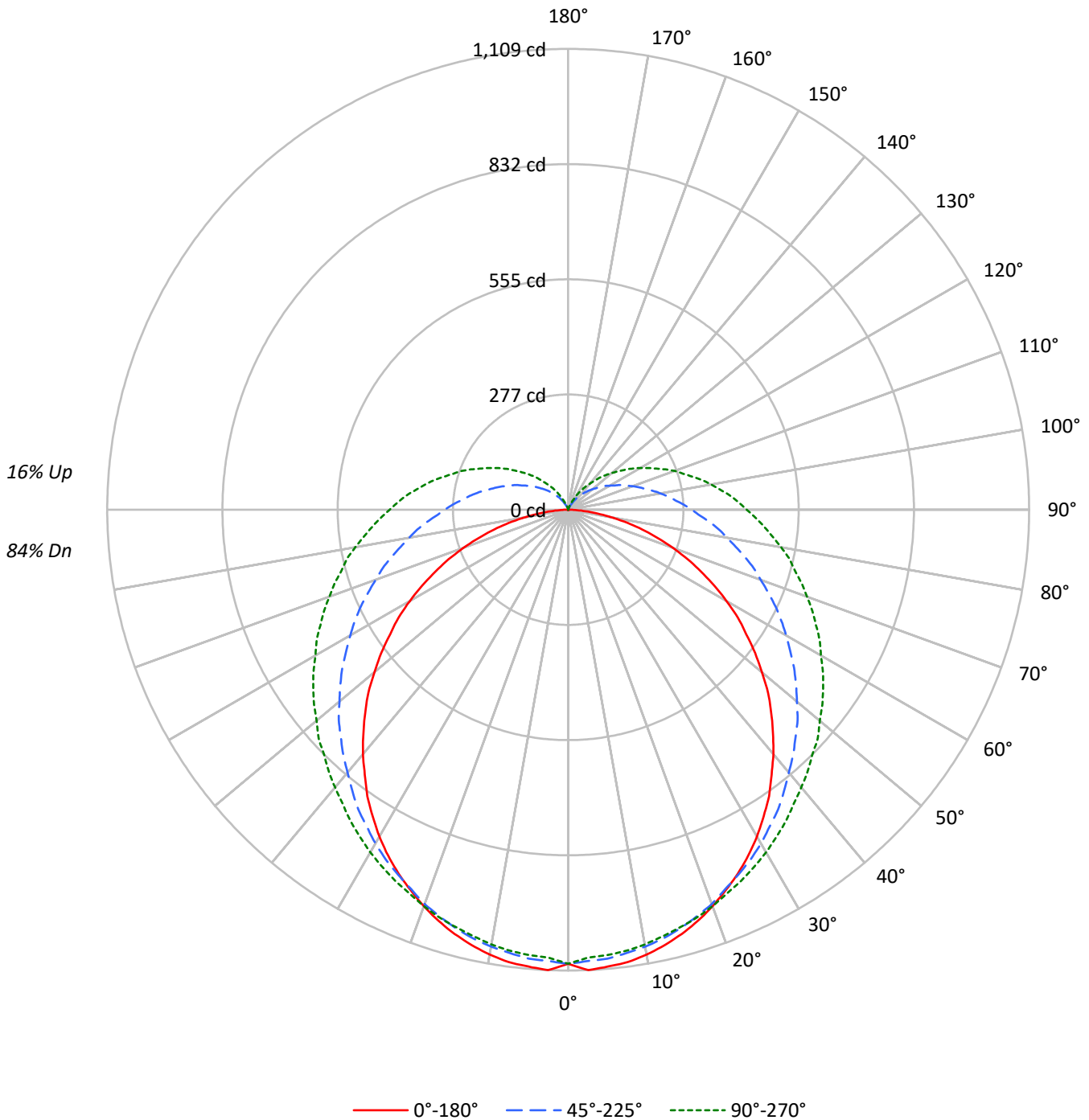
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17606	17606	17606
5°	17786	16478	16006
10°	17657	15463	14776
15°	17435	14533	13687
20°	17153	13658	12767
25°	16847	12821	11947
30°	16501	12108	11232
35°	16096	11429	10571
40°	15606	10733	9978
45°	15111	10149	9471
50°	14524	9589	9035
55°	13863	9081	8661
60°	13233	8574	8278
65°	12329	8135	7976
70°	11285	7675	7681
75°	9933	7312	7423
80°	7848	6956	7236
85°	5169	6699	7041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	2.3
10°-20°	295.9	6.4
20°-30°	449.7	9.8
30°-40°	550.4	12.0
40°-50°	594.3	12.9
50°-60°	583.4	12.7
60°-70°	525.5	11.5
70°-80°	435.1	9.5
80°-90°	334.6	7.3
90°-100°	252.3	5.5
100°-110°	185.6	4.0
110°-120°	128.1	2.8
120°-130°	81.2	1.8
130°-140°	44.9	1.0
140°-150°	19.5	0.4
150°-160°	4.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	849.1	18.5
0°-40°	1399.5	30.5
0°-60°	2577.2	56.2
0°-90°	3872.4	84.4
90°-120°	566.0	12.3
90°-150°	711.6	15.5
90°-180°	717.0	15.6
0°-180°	4589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1104	1098	1084	1084	1076	105
15°	1057	1054	1043	1049	1040	298
25°	966	966	969	988	985	445
35°	842	850	881	908	914	526
45°	691	721	773	820	831	533
55°	523	581	663	729	749	469
65°	352	432	550	633	658	350
75°	184	294	440	534	564	196
85°	41	182	341	443	473	47
90°	0	140	297	399	429	2
95°	3	110	259	358	391	1
105°	0	69	193	281	308	0
115°	0	44	140	212	234	0
125°	0	28	96	151	168	0
135°	0	16	60	99	110	0
145°	0	6	30	55	60	0
155°	0	3	8	16	19	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°	1092.6	1092.6	1092.6	1092.6	1092.6
2.5°	1109.1	1100.9	1087.1	1087.1	1078.8
5°	1103.6	1098.1	1084.4	1084.4	1076.1
7.5°	1098.1	1092.6	1076.1	1078.8	1070.6
10°	1087.1	1081.6	1067.8	1070.6	1062.3
12.5°	1073.3	1067.8	1056.8	1059.6	1051.3
15°	1056.8	1054.1	1043.1	1048.6	1040.3
17.5°	1037.6	1034.8	1026.6	1034.8	1029.3
20°	1015.5	1015.5	1010.0	1021.1	1015.5
22.5°	990.8	990.8	988.0	1004.5	999.0
25°	966.0	966.0	968.8	988.0	985.3
27.5°	938.5	941.2	949.5	971.5	968.8
30°	908.2	913.7	927.5	952.2	952.2
32.5°	875.2	880.7	902.7	933.0	933.0
35°	842.2	850.4	880.7	908.2	913.7
37.5°	803.6	817.4	853.2	886.2	891.7
40°	767.9	787.1	825.6	864.2	872.4
42.5°	729.3	754.1	800.9	844.9	853.2
45°	690.8	721.1	773.4	820.1	831.2
47.5°	652.3	685.3	748.6	798.1	814.6
50°	608.2	649.5	718.3	776.1	789.9
52.5°	566.9	613.7	690.8	751.3	770.6
55°	522.9	580.7	663.3	729.3	748.6
57.5°	484.4	542.2	633.0	707.3	726.6
60°	440.3	503.6	605.5	679.8	701.8
62.5°	396.3	470.6	578.0	657.8	682.5
65°	352.3	432.1	550.4	633.0	657.8
67.5°	311.0	396.3	520.2	608.2	635.7
70°	267.0	360.5	492.6	583.5	611.0
72.5°	225.7	327.5	467.9	558.7	589.0
75°	184.4	294.5	440.3	533.9	564.2
77.5°	145.9	264.2	412.8	511.9	544.9
80°	104.6	233.9	388.1	487.1	520.2
82.5°	71.6	206.4	366.0	465.1	495.4
85°	41.3	181.6	341.3	443.1	473.4
87.5°	16.5	159.6	316.5	418.3	451.4
90°	0.0	140.4	297.2	399.1	429.3
92.5°	0.0	123.8	278.0	377.0	410.1
95°	2.8	110.1	258.7	357.8	390.8
97.5°	0.0	96.3	242.2	338.5	368.8
100°	0.0	88.1	225.7	319.3	349.5
102.5°	0.0	77.1	209.2	300.0	330.3
105°	0.0	68.8	192.7	280.7	308.2
107.5°	0.0	63.3	178.9	264.2	289.0
110°	0.0	55.0	165.1	247.7	272.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.5	151.4	228.4	253.2
115°	0.0	44.0	140.4	211.9	233.9
117.5°	0.0	41.3	126.6	195.4	217.4
120°	0.0	35.8	115.6	181.6	200.9
122.5°	0.0	33.0	107.3	165.1	184.4
125°	0.0	27.5	96.3	151.4	167.9
127.5°	0.0	24.8	85.3	137.6	151.4
130°	0.0	22.0	77.1	123.8	137.6
132.5°	0.0	19.3	68.8	110.1	123.8
135°	0.0	16.5	60.5	99.1	110.1
137.5°	0.0	13.8	52.3	85.3	96.3
140°	0.0	11.0	44.0	74.3	82.6
142.5°	0.0	8.3	38.5	63.3	71.6
145°	0.0	5.5	30.3	55.0	60.5
147.5°	0.0	5.5	24.8	44.0	49.5
150°	0.0	2.8	16.5	35.8	38.5
152.5°	0.0	2.8	13.8	27.5	27.5
155°	0.0	2.8	8.3	16.5	19.3
157.5°	0.0	0.0	5.5	11.0	11.0
160°	0.0	0.0	2.8	5.5	8.3
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)