

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: P218322

Luminaire Tested: **4SNLED-LD5-37SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218322
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-LD5-37SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4199.0 lumens
Efficiency: N/A
Efficacy: 137.2 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

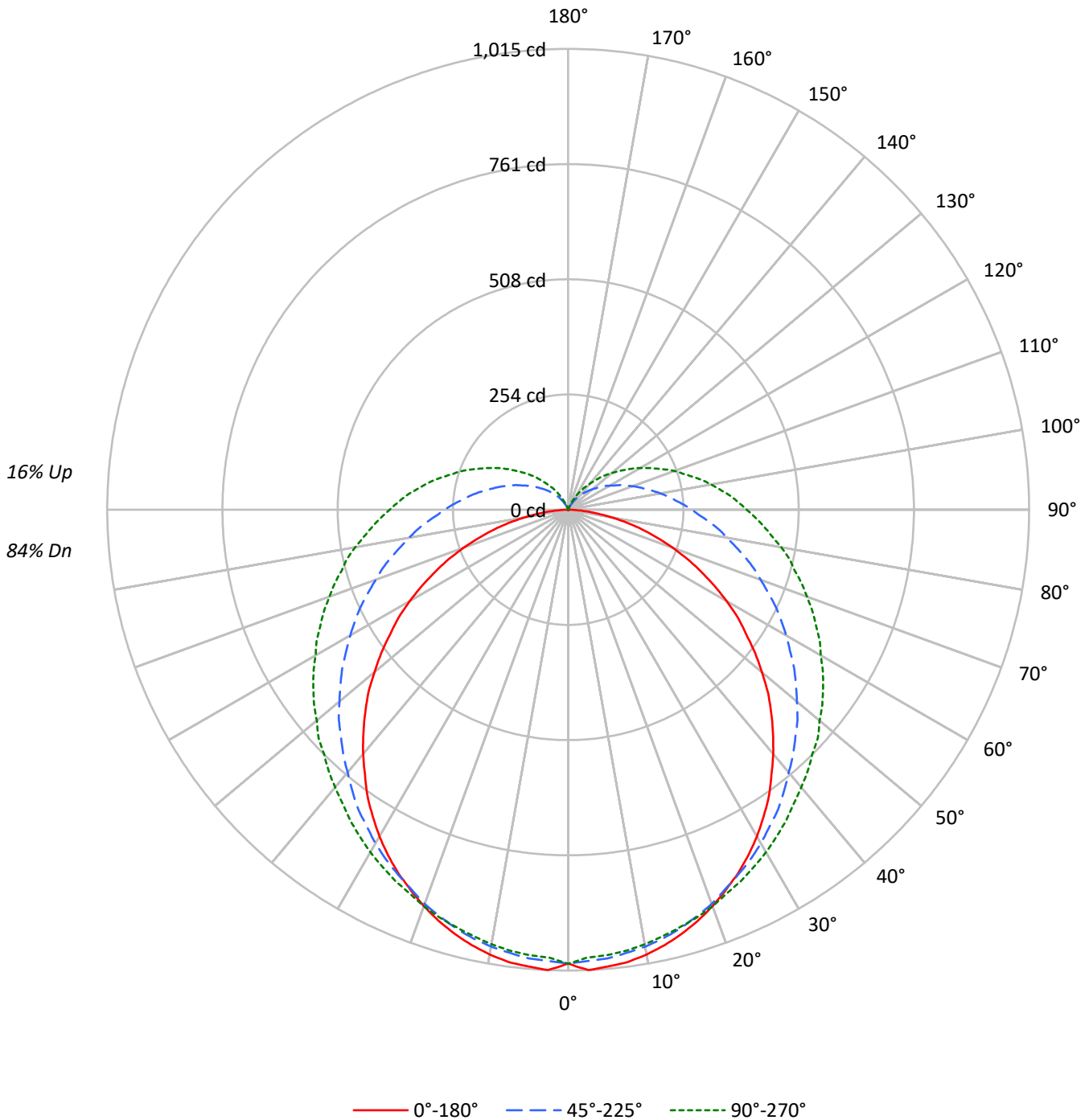
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16110	16110	16110
5°	16274	15077	14645
10°	16157	14150	13520
15°	15953	13297	12524
20°	15695	12497	11682
25°	15415	11730	10931
30°	15098	11079	10278
35°	14728	10457	9674
40°	14279	9821	9131
45°	13827	9285	8665
50°	13289	8774	8266
55°	12686	8309	7925
60°	12109	7845	7575
65°	11279	7445	7298
70°	10325	7024	7029
75°	9087	6691	6792
80°	7180	6364	6621
85°	4731	6130	6442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	2.3
10°-20°	270.7	6.4
20°-30°	411.5	9.8
30°-40°	503.6	12.0
40°-50°	543.8	12.9
50°-60°	533.8	12.7
60°-70°	480.8	11.5
70°-80°	398.1	9.5
80°-90°	306.2	7.3
90°-100°	230.8	5.5
100°-110°	169.9	4.0
110°-120°	117.2	2.8
120°-130°	74.3	1.8
130°-140°	41.1	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°	776.9	18.5
0°-40°	1280.6	30.5
0°-60°	2358.2	56.2
0°-90°	3543.3	84.4
90°-120°	517.8	12.3
90°-150°	651.1	15.5
90°-180°	656.0	15.6
0°-180°	4199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	1010	1005	992	992	985	96
15°	967	964	954	960	952	273
25°	884	884	886	904	902	407
35°	771	778	806	831	836	481
45°	632	660	708	750	760	487
55°	478	531	607	667	685	429
65°	322	395	504	579	602	320
75°	169	270	403	488	516	179
85°	38	166	312	405	433	43
90°	0	128	272	365	393	2
95°	2	101	237	327	358	1
105°	0	63	176	257	282	0
115°	0	40	128	194	214	0
125°	0	25	88	138	154	0
135°	0	15	55	91	101	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°	999.8	999.8	999.8	999.8	999.8
2.5°	1014.9	1007.3	994.7	994.7	987.2
5°	1009.8	1004.8	992.2	992.2	984.6
7.5°	1004.8	999.8	984.6	987.2	979.6
10°	994.7	989.7	977.1	979.6	972.0
12.5°	982.1	977.1	967.0	969.5	962.0
15°	967.0	964.5	954.4	959.5	951.9
17.5°	949.4	946.9	939.3	946.9	941.8
20°	929.2	929.2	924.2	934.3	929.2
22.5°	906.6	906.6	904.1	919.2	914.1
25°	883.9	883.9	886.4	904.1	901.5
27.5°	858.7	861.2	868.8	888.9	886.4
30°	831.0	836.1	848.7	871.3	871.3
32.5°	800.8	805.8	826.0	853.7	853.7
35°	770.6	778.1	805.8	831.0	836.1
37.5°	735.3	747.9	780.7	810.9	815.9
40°	702.6	720.2	755.5	790.7	798.3
42.5°	667.3	690.0	732.8	773.1	780.7
45°	632.1	659.8	707.6	750.4	760.5
47.5°	596.8	627.0	685.0	730.3	745.4
50°	556.5	594.3	657.3	710.2	722.7
52.5°	518.8	561.6	632.1	687.5	705.1
55°	478.5	531.4	606.9	667.3	685.0
57.5°	443.2	496.1	579.2	647.2	664.8
60°	402.9	460.8	554.0	622.0	642.2
62.5°	362.6	430.6	528.8	601.9	624.5
65°	322.3	395.4	503.7	579.2	601.9
67.5°	284.6	362.6	476.0	556.5	581.7
70°	244.3	329.9	450.8	533.9	559.1
72.5°	206.5	299.7	428.1	511.2	538.9
75°	168.7	269.5	402.9	488.5	516.2
77.5°	133.5	241.8	377.7	468.4	498.6
80°	95.7	214.1	355.1	445.7	476.0
82.5°	65.5	188.9	334.9	425.6	453.3
85°	37.8	166.2	312.3	405.4	433.1
87.5°	15.1	146.1	289.6	382.8	413.0
90°	0.0	128.4	272.0	365.1	392.8
92.5°	0.0	113.3	254.3	345.0	375.2
95°	2.5	100.7	236.7	327.4	357.6
97.5°	0.0	88.1	221.6	309.7	337.4
100°	0.0	80.6	206.5	292.1	319.8
102.5°	0.0	70.5	191.4	274.5	302.2
105°	0.0	63.0	176.3	256.9	282.0
107.5°	0.0	57.9	163.7	241.8	264.4
110°	0.0	50.4	151.1	226.6	249.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.3	138.5	209.0	231.7
115°	0.0	40.3	128.4	193.9	214.1
117.5°	0.0	37.8	115.8	178.8	198.9
120°	0.0	32.7	105.8	166.2	183.8
122.5°	0.0	30.2	98.2	151.1	168.7
125°	0.0	25.2	88.1	138.5	153.6
127.5°	0.0	22.7	78.1	125.9	138.5
130°	0.0	20.1	70.5	113.3	125.9
132.5°	0.0	17.6	63.0	100.7	113.3
135°	0.0	15.1	55.4	90.7	100.7
137.5°	0.0	12.6	47.8	78.1	88.1
140°	0.0	10.1	40.3	68.0	75.5
142.5°	0.0	7.6	35.3	57.9	65.5
145°	0.0	5.0	27.7	50.4	55.4
147.5°	0.0	5.0	22.7	40.3	45.3
150°	0.0	2.5	15.1	32.7	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)