

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: P218618

Luminaire Tested: **4SNLED-LD5-67HL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-67HL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7389.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

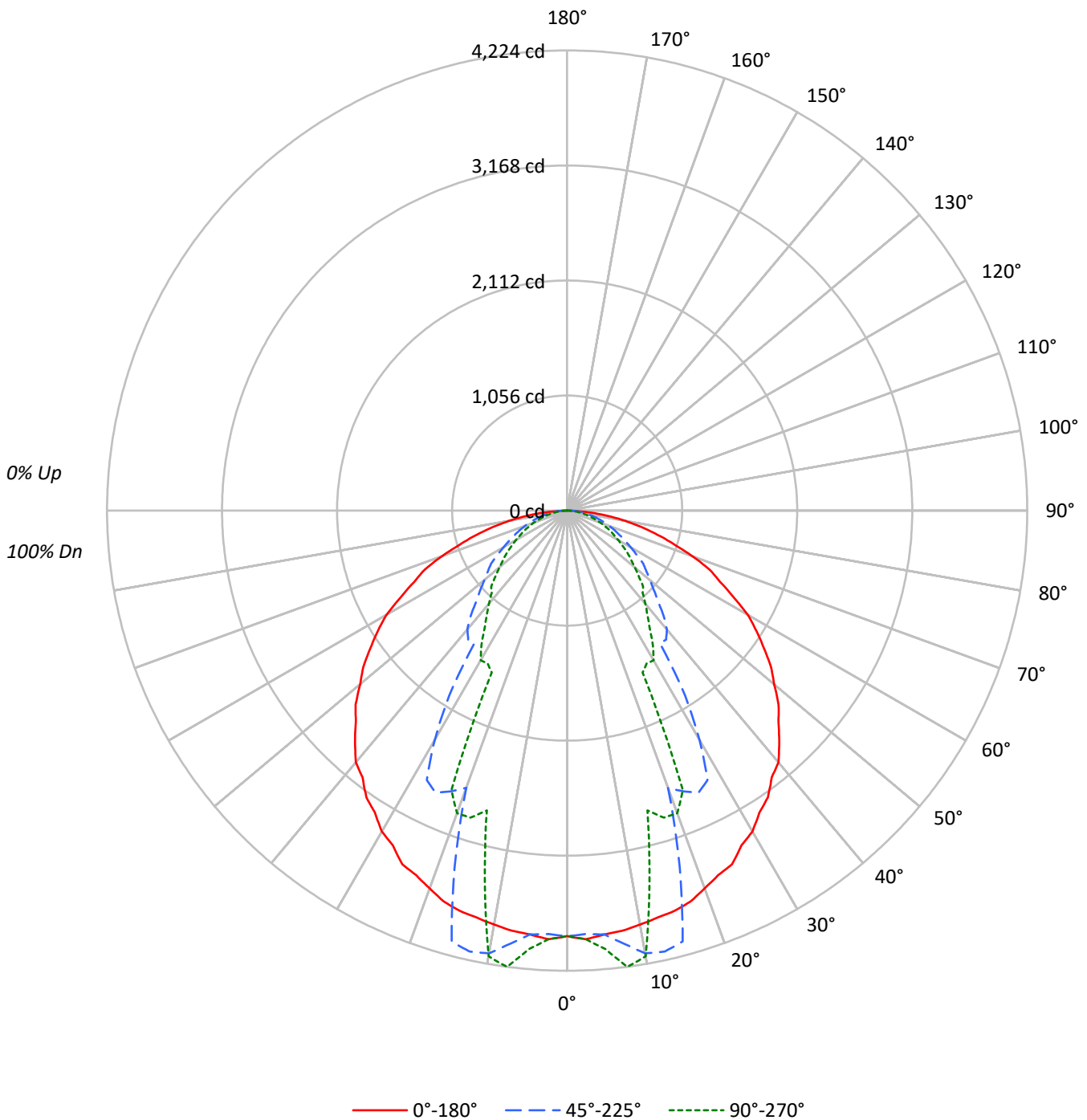
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62945	62945	62945
5°	62955	59341	60094
10°	62680	59761	57793
15°	62773	57056	37480
20°	62333	36635	37158
25°	62475	37803	19876
30°	61793	31768	18726
35°	61391	19303	15281
40°	61300	18515	12791
45°	60001	15472	11243
50°	59216	13232	9278
55°	58494	11675	7824
60°	57550	9543	6410
65°	54256	7882	5253
70°	51593	6380	4116
75°	46421	4950	2931
80°	40178	3549	1893
85°	28023	2253	820



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.3	5.2
10°-20°	1021.2	13.8
20°-30°	1321.1	17.9
30°-40°	1254.6	17.0
40°-50°	1207.6	16.3
50°-60°	959.5	13.0
60°-70°	698.2	9.4
70°-80°	406.2	5.5
80°-90°	139.3	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2723.6	36.9
0°-40°	3978.2	53.8
0°-60°	6145.3	83.2
0°-90°	7389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3906	3906	3906	3906	3906	
5°	3906	3897	3905	3997	4040	372
15°	3805	3984	4095	3198	2849	1073
25°	3582	3799	2857	2306	1639	1641
35°	3212	2473	1487	1382	1321	2004
45°	2743	2332	1179	999	987	2125
55°	2206	1328	853	694	676	1974
65°	1550	821	533	449	433	1549
75°	862	433	298	244	223	914
85°	224	181	115	75	55	261
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3906.3	3906.3	3906.3	3906.3	3906.3
2.5°	3938.9	3908.5	3891.6	3893.9	3937.8
5°	3906.3	3897.3	3905.1	3997.4	4040.2
7.5°	3889.4	3870.3	4009.8	4168.4	4223.5
10°	3859.0	3911.9	4126.8	4192.0	4154.9
12.5°	3827.5	3943.4	4144.8	3720.6	3487.7
15°	3805.0	3983.9	4095.3	3197.5	2848.7
17.5°	3763.4	4009.8	3440.5	2839.7	2955.6
20°	3690.3	3997.4	2709.2	2961.2	2955.6
22.5°	3622.8	3927.6	2789.1	2903.8	2774.4
25°	3582.3	3799.4	2856.6	2306.4	1639.2
27.5°	3465.2	3485.5	2790.2	1601.0	1581.9
30°	3401.1	3179.5	2433.5	1571.7	1587.5
32.5°	3286.4	2827.3	2016.1	1514.4	1463.7
35°	3212.1	2472.9	1487.4	1381.6	1320.8
37.5°	3086.1	2490.9	1491.9	1266.8	1209.5
40°	3016.3	2506.7	1424.3	1156.6	1118.3
42.5°	2882.5	2447.0	1311.8	1066.6	1024.9
45°	2742.9	2332.3	1179.1	999.1	986.7
47.5°	2632.7	2009.4	1081.2	934.9	889.9
50°	2479.7	1597.6	991.2	849.4	811.2
52.5°	2359.3	1360.2	918.1	775.2	739.2
55°	2206.3	1327.6	852.8	694.2	676.2
57.5°	2062.3	1215.1	756.1	630.0	601.9
60°	1914.9	1075.6	673.9	568.2	543.4
62.5°	1722.5	930.4	601.9	505.2	481.5
65°	1550.4	821.3	533.3	448.9	433.2
67.5°	1416.5	736.9	471.4	393.8	372.4
70°	1220.7	642.4	409.5	340.9	327.4
72.5°	1027.2	524.3	352.1	293.6	268.9
75°	861.8	433.2	298.1	244.1	222.8
77.5°	699.8	362.3	247.5	200.3	177.8
80°	535.5	294.8	198.0	156.4	136.1
82.5°	379.2	235.1	155.3	113.6	95.6
85°	223.9	181.1	114.8	75.4	55.1
87.5°	88.9	136.1	75.4	37.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)