

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: P218590

Luminaire Tested: **4SNLED-LD5-54SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-54SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5951.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

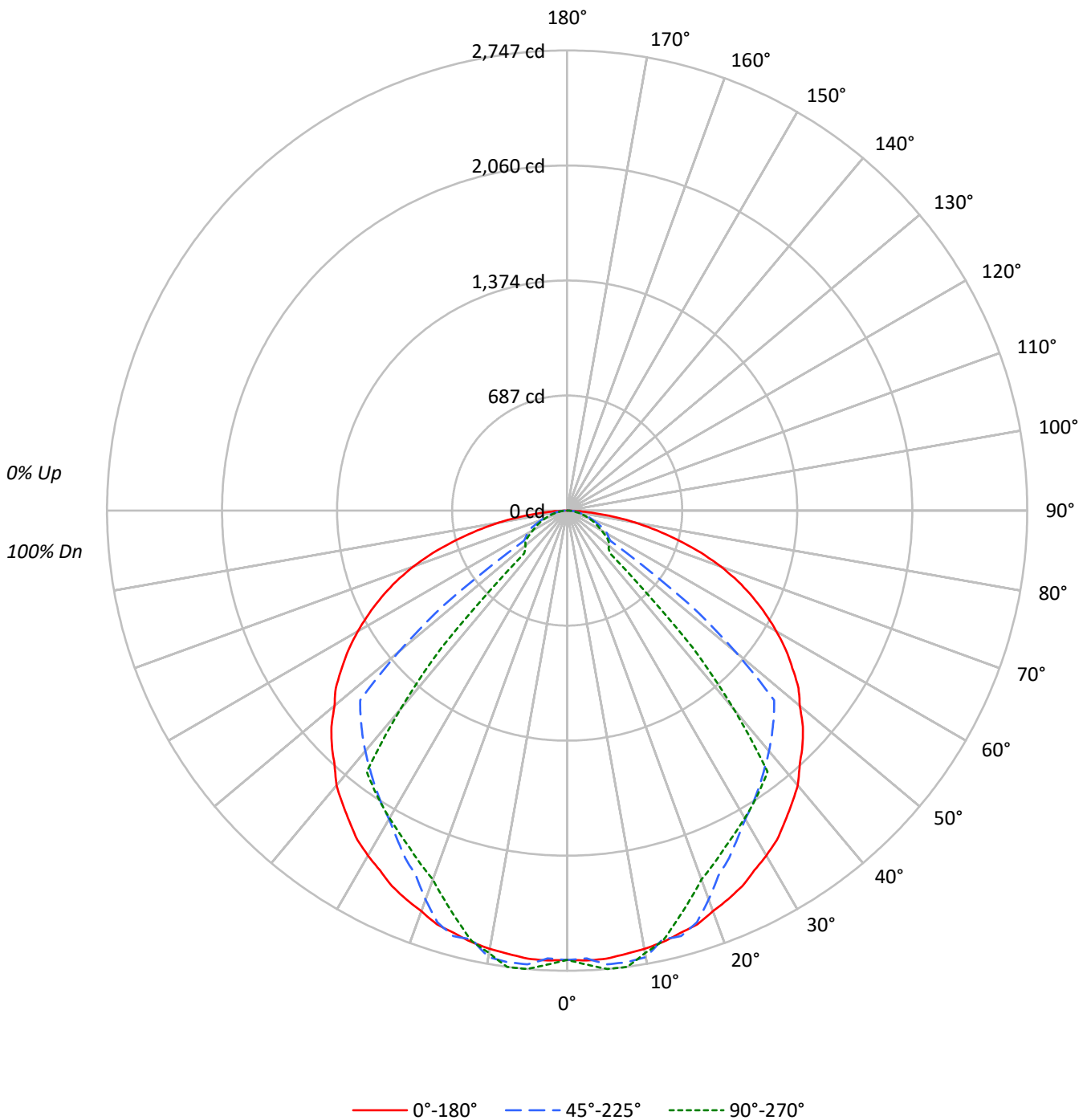
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43215	43215	43215
5°	43272	41319	40860
10°	43157	39196	37304
15°	43067	36629	33325
20°	42993	33411	29462
25°	43145	30275	26949
30°	43199	27758	25008
35°	43307	25982	23343
40°	43528	24372	17787
45°	43457	22891	4138
50°	43288	17528	3728
55°	43533	4292	3412
60°	43380	3913	2783
65°	42799	3303	2295
70°	41196	2563	1795
75°	37119	1906	1306
80°	30740	1280	821
85°	18260	730	369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	4.4
10°-20°	733.9	12.3
20°-30°	1080.9	18.2
30°-40°	1301.0	21.9
40°-50°	1114.3	18.7
50°-60°	721.0	12.1
60°-70°	479.3	8.1
70°-80°	204.5	3.4
80°-90°	57.2	1.0
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°	2073.7	34.8
0°-40°	3374.8	56.7
0°-60°	5210.1	87.6
0°-90°	5951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2685	2694	2719	2750	2747	255
15°	2610	2682	2629	2573	2533	738
25°	2474	2489	2288	2238	2222	1140
35°	2266	2179	2002	2018	2018	1420
45°	1987	1766	1744	1065	363	1532
55°	1642	1394	314	298	295	1468
65°	1223	878	224	192	189	1206
75°	689	161	115	102	99	730
85°	146	44	37	28	25	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2681.9	2681.9	2681.9	2681.9	2681.9
2.5°	2688.1	2678.8	2675.7	2709.8	2712.9
5°	2685.0	2694.3	2719.1	2750.2	2747.1
7.5°	2669.5	2700.5	2719.1	2765.7	2747.1
10°	2657.0	2712.9	2706.7	2709.8	2681.9
12.5°	2638.4	2691.2	2622.9	2669.5	2632.2
15°	2610.5	2681.9	2629.1	2573.2	2532.9
17.5°	2588.8	2663.2	2576.3	2442.9	2436.7
20°	2545.3	2585.6	2470.8	2374.6	2343.5
22.5°	2511.2	2557.7	2359.1	2293.9	2284.6
25°	2473.9	2489.4	2287.7	2238.0	2222.5
27.5°	2421.1	2452.2	2203.9	2179.0	2169.7
30°	2377.7	2377.7	2126.3	2126.3	2120.0
32.5°	2331.1	2278.4	2067.3	2070.4	2070.4
35°	2265.9	2179.0	2002.1	2017.6	2017.6
37.5°	2203.9	2058.0	1936.9	1961.7	1964.8
40°	2141.8	1964.8	1874.8	1902.8	1555.1
42.5°	2054.9	1862.4	1809.6	1465.1	1108.1
45°	1986.6	1766.2	1744.5	1064.7	363.2
47.5°	1909.0	1673.1	1676.2	338.3	335.2
50°	1812.7	1576.8	1313.0	319.7	325.9
52.5°	1741.4	1489.9	925.0	310.4	313.5
55°	1642.0	1393.7	313.5	298.0	294.9
57.5°	1548.9	1303.7	291.8	276.3	263.8
60°	1443.4	1207.5	276.3	245.2	235.9
62.5°	1334.7	1111.2	254.5	217.3	211.1
65°	1223.0	878.4	223.5	192.4	189.3
67.5°	1105.0	577.3	189.3	170.7	167.6
70°	974.7	226.6	164.5	149.0	142.8
72.5°	838.1	195.6	139.7	127.3	121.1
75°	689.1	161.4	114.8	102.4	99.3
77.5°	549.4	121.1	93.1	80.7	77.6
80°	409.7	90.0	71.4	62.1	59.0
82.5°	279.4	65.2	52.8	43.5	40.4
85°	145.9	43.5	37.2	27.9	24.8
87.5°	55.9	27.9	21.7	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)