

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: P218588

Luminaire Tested: **4SNLED-LD5-54SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218588
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5492.0 lumens
Efficiency: N/A
Efficacy: 116.6 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

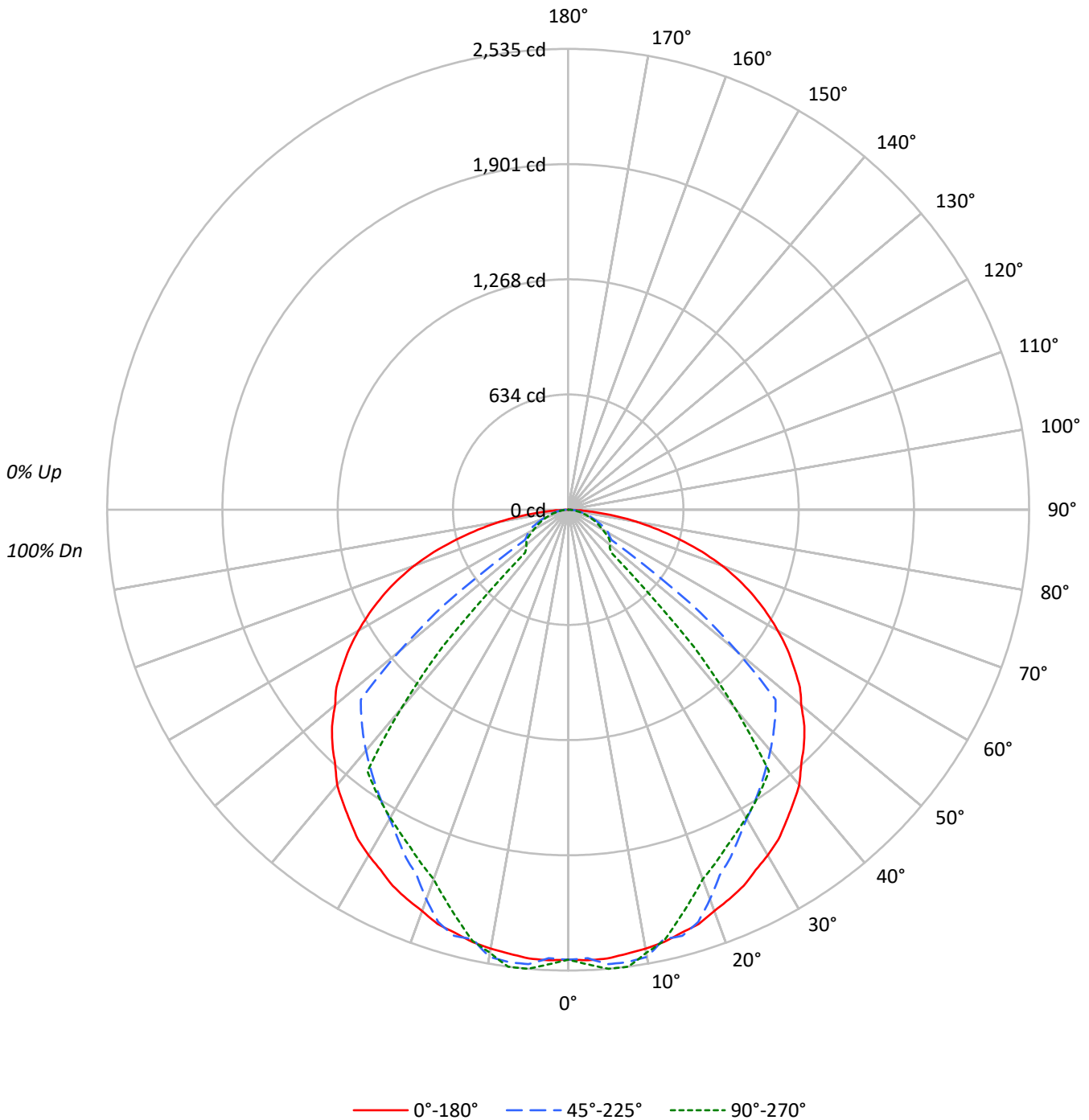
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39881	39881	39881
5°	39935	38133	37708
10°	39829	36173	34426
15°	39744	33804	30754
20°	39677	30834	27191
25°	39817	27939	24870
30°	39867	25617	23079
35°	39968	23978	21543
40°	40170	22492	16415
45°	40103	21125	3819
50°	39949	16175	3440
55°	40177	3961	3148
60°	40032	3609	2568
65°	39499	3049	2118
70°	38017	2365	1657
75°	34253	1760	1206
80°	28369	1181	757
85°	16846	675	341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.9	4.4
10°-20°	677.3	12.3
20°-30°	997.6	18.2
30°-40°	1200.7	21.9
40°-50°	1028.4	18.7
50°-60°	665.4	12.1
60°-70°	442.3	8.1
70°-80°	188.7	3.4
80°-90°	52.8	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°	1913.8	34.8
0°-40°	3114.5	56.7
0°-60°	4808.2	87.5
0°-90°	5492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2475	2475	2475	2475	2475	
5°	2478	2486	2509	2538	2535	236
15°	2409	2475	2426	2375	2338	681
25°	2283	2297	2111	2065	2051	1052
35°	2091	2011	1848	1862	1862	1310
45°	1833	1630	1610	983	335	1413
55°	1515	1286	289	275	272	1355
65°	1129	811	206	178	175	1113
75°	636	149	106	94	92	674
85°	135	40	34	26	23	172
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2475.0	2475.0	2475.0	2475.0	2475.0
2.5°	2480.7	2472.2	2469.3	2500.8	2503.7
5°	2477.9	2486.5	2509.4	2538.0	2535.2
7.5°	2463.6	2492.2	2509.4	2552.4	2535.2
10°	2452.1	2503.7	2497.9	2500.8	2475.0
12.5°	2434.9	2483.6	2420.6	2463.6	2429.2
15°	2409.1	2475.0	2426.3	2374.8	2337.5
17.5°	2389.1	2457.8	2377.6	2254.4	2248.7
20°	2349.0	2386.2	2280.2	2191.4	2162.8
22.5°	2317.5	2360.4	2177.1	2116.9	2108.4
25°	2283.1	2297.4	2111.2	2065.4	2051.1
27.5°	2234.4	2263.0	2033.9	2011.0	2002.4
30°	2194.3	2194.3	1962.3	1962.3	1956.5
32.5°	2151.3	2102.6	1907.8	1910.7	1910.7
35°	2091.2	2011.0	1847.7	1862.0	1862.0
37.5°	2033.9	1899.2	1787.5	1810.4	1813.3
40°	1976.6	1813.3	1730.2	1756.0	1435.2
42.5°	1896.4	1718.8	1670.1	1352.1	1022.7
45°	1833.3	1630.0	1609.9	982.6	335.2
47.5°	1761.7	1544.0	1546.9	312.2	309.4
50°	1672.9	1455.2	1211.7	295.1	300.8
52.5°	1607.0	1375.0	853.7	286.5	289.3
55°	1515.4	1286.2	289.3	275.0	272.1
57.5°	1429.4	1203.1	269.3	254.9	243.5
60°	1332.0	1114.3	254.9	226.3	217.7
62.5°	1231.8	1025.5	234.9	200.5	194.8
65°	1128.7	810.7	206.3	177.6	174.7
67.5°	1019.8	532.8	174.7	157.6	154.7
70°	899.5	209.1	151.8	137.5	131.8
72.5°	773.4	180.5	128.9	117.4	111.7
75°	635.9	149.0	106.0	94.5	91.7
77.5°	507.0	111.7	85.9	74.5	71.6
80°	378.1	83.1	65.9	57.3	54.4
82.5°	257.8	60.2	48.7	40.1	37.2
85°	134.6	40.1	34.4	25.8	22.9
87.5°	51.6	25.8	20.1	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)