

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: P218594

Luminaire Tested: **4SNLED-LD5-62SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218594  
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-LD5-62SL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6341.0 lumens  
Efficiency: N/A  
Efficacy: 123.1 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

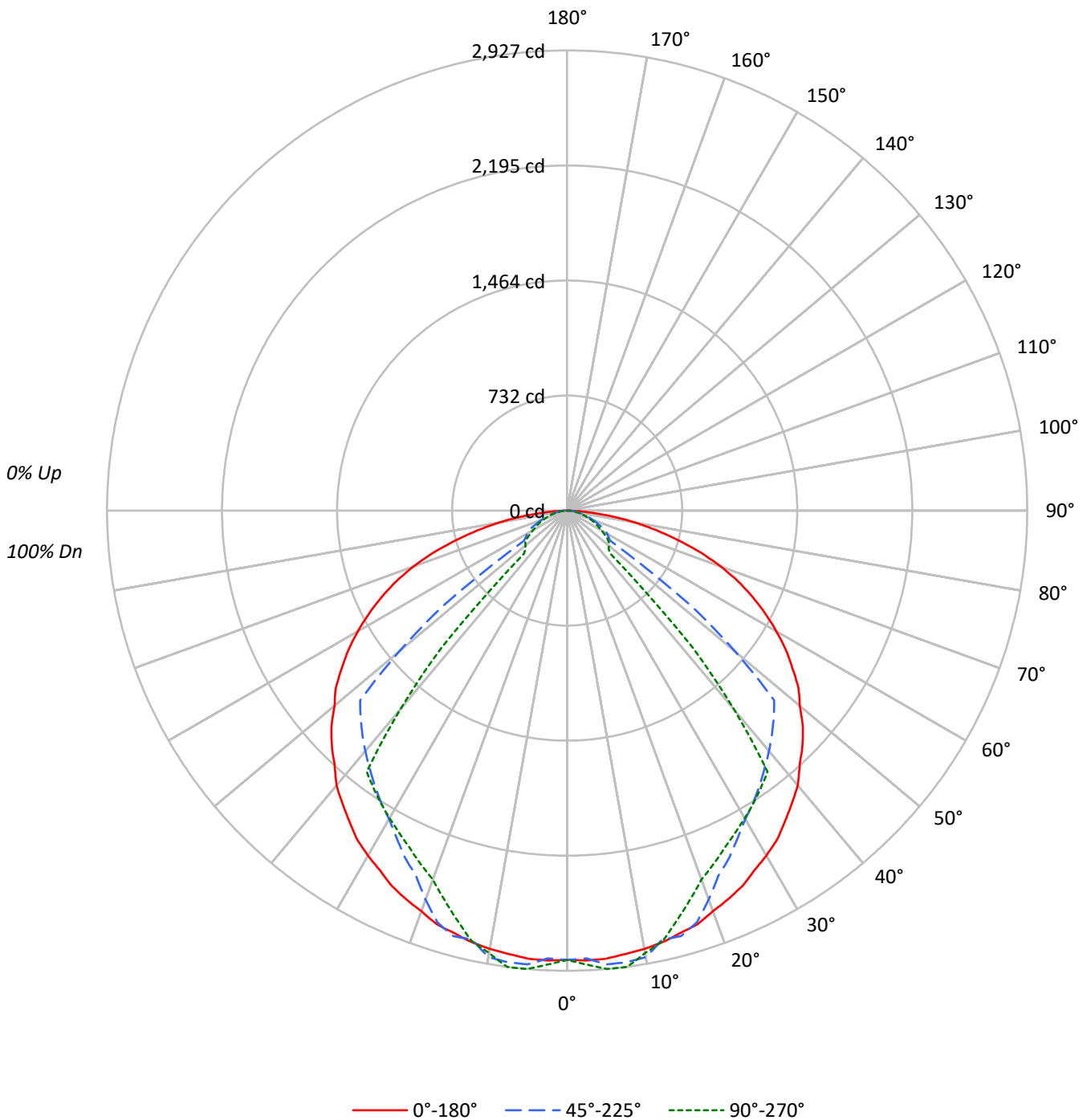
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					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°	46046	46046	46046
5°	46107	44027	43537
10°	45986	41765	39748
15°	45889	39030	35509
20°	45810	35600	31393
25°	45972	32259	28714
30°	46030	29576	26647
35°	46145	27685	24873
40°	46379	25969	18952
45°	46305	24391	4410
50°	46125	18676	3972
55°	46386	4574	3635
60°	46223	4169	2966
65°	45602	3519	2447
70°	43892	2731	1912
75°	39553	2033	1392
80°	32758	1364	874
85°	19449	779	394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.8	4.4
10°-20°	782.0	12.3
20°-30°	1151.8	18.2
30°-40°	1386.3	21.9
40°-50°	1187.3	18.7
50°-60°	768.3	12.1
60°-70°	510.7	8.1
70°-80°	217.8	3.4
80°-90°	60.9	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°	2209.6	34.8
0°-40°	3595.9	56.7
0°-60°	5551.5	87.5
0°-90°	6341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2858	2858	2858	2858	2858	
5°	2861	2871	2897	2930	2927	272
15°	2782	2858	2801	2742	2699	787
25°	2636	2653	2438	2385	2368	1214
35°	2414	2322	2133	2150	2150	1513
45°	2117	1882	1859	1134	387	1632
55°	1750	1485	334	318	314	1564
65°	1303	936	238	205	202	1285
75°	734	172	122	109	106	778
85°	155	46	40	30	26	199
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2857.6	2857.6	2857.6	2857.6	2857.6
2.5°	2864.2	2854.3	2851.0	2887.4	2890.7
5°	2860.9	2870.9	2897.3	2930.4	2927.1
7.5°	2844.4	2877.5	2897.3	2946.9	2927.1
10°	2831.2	2890.7	2884.1	2887.4	2857.6
12.5°	2811.3	2867.6	2794.8	2844.4	2804.7
15°	2781.6	2857.6	2801.4	2741.9	2698.9
17.5°	2758.4	2837.8	2745.2	2603.0	2596.3
20°	2712.1	2755.1	2632.7	2530.2	2497.1
22.5°	2675.7	2725.3	2513.7	2444.2	2434.3
25°	2636.0	2652.6	2437.6	2384.7	2368.1
27.5°	2579.8	2612.9	2348.3	2321.8	2311.9
30°	2533.5	2533.5	2265.6	2265.6	2259.0
32.5°	2483.9	2427.7	2202.8	2206.1	2206.1
35°	2414.4	2321.8	2133.3	2149.8	2149.8
37.5°	2348.3	2192.8	2063.8	2090.3	2093.6
40°	2282.1	2093.6	1997.7	2027.5	1657.0
42.5°	2189.5	1984.5	1928.2	1561.1	1180.8
45°	2116.8	1881.9	1858.8	1134.5	387.0
47.5°	2034.1	1782.7	1786.0	360.5	357.2
50°	1931.5	1680.2	1399.0	340.7	347.3
52.5°	1855.5	1587.6	985.6	330.7	334.1
55°	1749.6	1485.0	334.1	317.5	314.2
57.5°	1650.4	1389.1	310.9	294.4	281.1
60°	1538.0	1286.6	294.4	261.3	251.4
62.5°	1422.2	1184.1	271.2	231.5	224.9
65°	1303.1	936.0	238.1	205.1	201.8
67.5°	1177.4	615.2	201.8	181.9	178.6
70°	1038.5	241.4	175.3	158.8	152.1
72.5°	893.0	208.4	148.8	135.6	129.0
75°	734.3	172.0	122.4	109.1	105.8
77.5°	585.4	129.0	99.2	86.0	82.7
80°	436.6	95.9	76.1	66.1	62.8
82.5°	297.7	69.5	56.2	46.3	43.0
85°	155.4	46.3	39.7	29.8	26.5
87.5°	59.5	29.8	23.2	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)