

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: P218611

Luminaire Tested: **4SNLED-LD5-57HL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218611  
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-LD5-57HL-RW-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4848.0 lumens  
Efficiency: N/A  
Efficacy: 112.7 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

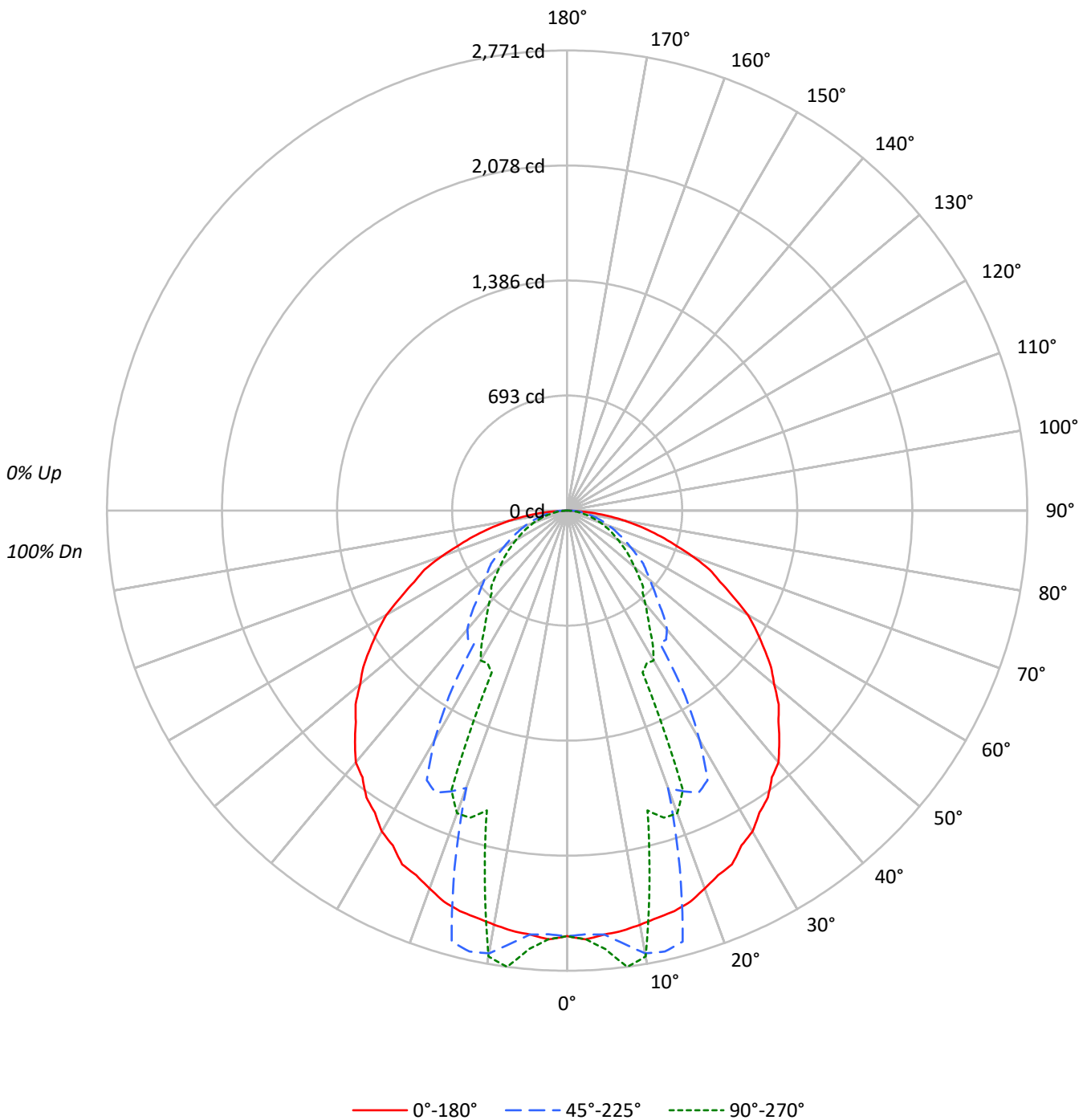
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	41298	41298	41298
5°	41305	38935	39428
10°	41125	39210	37919
15°	41186	37436	24591
20°	40897	24036	24380
25°	40991	24803	13041
30°	40543	20844	12287
35°	40279	12665	10026
40°	40219	12148	8392
45°	39368	10151	7377
50°	38851	8681	6087
55°	38379	7660	5132
60°	37760	6262	4205
65°	35597	5172	3446
70°	33850	4186	2700
75°	30456	3248	1924
80°	26365	2328	1242
85°	18386	1478	538



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.2	5.2
10°-20°	670.0	13.8
20°-30°	866.8	17.9
30°-40°	823.1	17.0
40°-50°	792.3	16.3
50°-60°	629.5	13.0
60°-70°	458.1	9.4
70°-80°	266.5	5.5
80°-90°	91.4	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°	1787.0	36.9
0°-40°	2610.1	53.8
0°-60°	4032.0	83.2
0°-90°	4848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4848.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2563	2563	2563	2563	2563	
5°	2563	2557	2562	2623	2651	244
15°	2496	2614	2687	2098	1869	704
25°	2350	2493	1874	1513	1076	1077
35°	2108	1622	976	906	867	1315
45°	1800	1530	774	656	647	1394
55°	1448	871	560	456	444	1295
65°	1017	539	350	294	284	1016
75°	565	284	196	160	146	600
85°	147	119	75	50	36	171
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2562.9	2562.9	2562.9	2562.9	2562.9
2.5°	2584.4	2564.4	2553.4	2554.8	2583.6
5°	2562.9	2557.0	2562.2	2622.7	2650.8
7.5°	2551.9	2539.3	2630.9	2734.9	2771.1
10°	2531.9	2566.6	2707.6	2750.4	2726.1
12.5°	2511.3	2587.3	2719.4	2441.1	2288.3
15°	2496.5	2613.9	2687.0	2097.9	1869.1
17.5°	2469.2	2630.9	2257.3	1863.2	1939.2
20°	2421.2	2622.7	1777.5	1942.9	1939.2
22.5°	2376.9	2577.0	1829.9	1905.2	1820.3
25°	2350.4	2492.8	1874.2	1513.3	1075.5
27.5°	2273.6	2286.9	1830.7	1050.4	1037.9
30°	2231.5	2086.1	1596.7	1031.2	1041.6
32.5°	2156.2	1855.0	1322.8	993.6	960.4
35°	2107.5	1622.5	975.9	906.5	866.6
37.5°	2024.8	1634.3	978.8	831.2	793.5
40°	1979.0	1644.7	934.5	758.8	733.7
42.5°	1891.2	1605.5	860.7	699.8	672.5
45°	1799.7	1530.2	773.6	655.5	647.4
47.5°	1727.3	1318.4	709.4	613.4	583.9
50°	1626.9	1048.2	650.3	557.3	532.2
52.5°	1548.0	892.5	602.4	508.6	485.0
55°	1447.6	871.0	559.5	455.5	443.6
57.5°	1353.1	797.2	496.1	413.4	394.9
60°	1256.4	705.7	442.2	372.8	356.5
62.5°	1130.1	610.5	394.9	331.4	315.9
65°	1017.2	538.9	349.9	294.5	284.2
67.5°	929.4	483.5	309.3	258.4	244.3
70°	800.9	421.5	268.7	223.7	214.8
72.5°	674.0	344.0	231.0	192.7	176.4
75°	565.4	284.2	195.6	160.2	146.2
77.5°	459.1	237.7	162.4	131.4	116.6
80°	351.4	193.4	129.9	102.6	89.3
82.5°	248.8	154.3	101.9	74.6	62.7
85°	146.9	118.8	75.3	49.5	36.2
87.5°	58.3	89.3	49.5	24.4	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)