

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: P218467

Luminaire Tested: **4SNLED-LD5-62HL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-62HL-RM-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5231.9 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

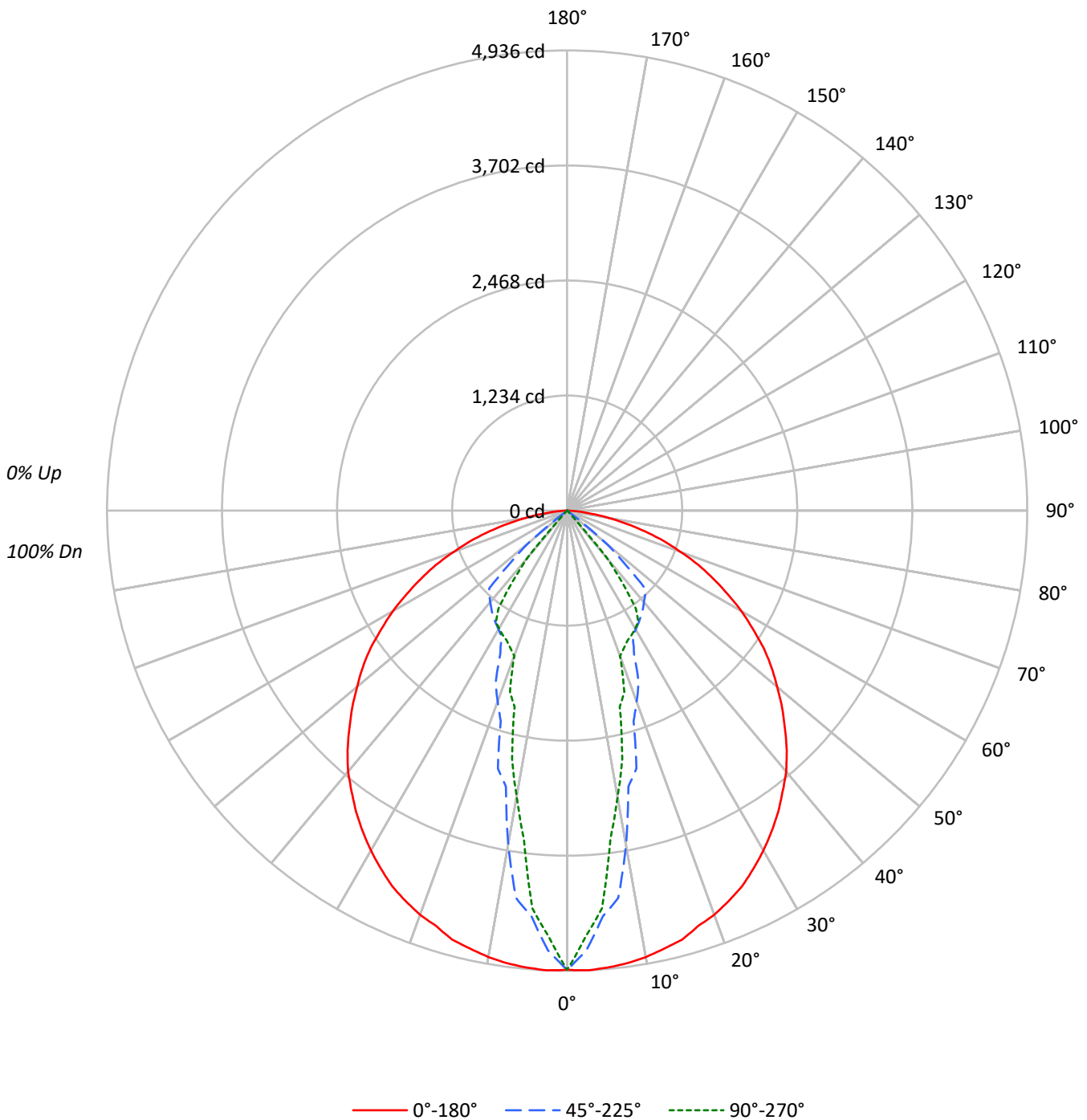
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	79379	79379	79379
5°	79310	66403	63718
10°	78988	52661	43335
15°	78599	39918	28680
20°	77912	29442	20856
25°	77489	22489	18612
30°	76498	19214	17212
35°	75398	17918	14864
40°	74264	16667	7462
45°	72246	15497	28
50°	70232	7359	0
55°	68254	242	0
60°	64905	178	0
65°	60531	75	0
70°	54725	39	0
75°	46588	42	33
80°	33396	45	35
85°	16145	49	37



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.6	7.8
10°-20°	876.4	16.8
20°-30°	1045.5	20.0
30°-40°	1112.5	21.3
40°-50°	812.8	15.5
50°-60°	519.1	9.9
60°-70°	312.6	6.0
70°-80°	121.8	2.3
80°-90°	24.7	0.5
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°	2328.5	44.5
0°-40°	3441.0	65.8
0°-60°	4772.9	91.2
0°-90°	5231.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5231.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4926	4926	4926	4926	4926	
5°	4921	4681	4370	4291	4284	468
15°	4764	4064	2865	2233	2180	1342
25°	4443	2832	1699	1548	1535	2045
35°	3945	1871	1381	1381	1285	2468
45°	3303	1211	1181	5	2	2551
55°	2574	956	18	2	0	2292
65°	1730	389	5	2	0	1712
75°	865	20	2	2	2	914
85°	129	2	2	2	2	179
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4926.2	4926.2	4926.2	4926.2	4926.2
2.5°	4936.3	4903.4	4721.4	4645.5	4572.2
5°	4921.1	4680.9	4369.8	4291.4	4283.9
7.5°	4898.4	4455.8	4192.8	3742.7	3553.0
10°	4863.0	4309.2	3636.5	3257.2	3115.5
12.5°	4812.4	4091.7	3032.1	2814.6	2731.2
15°	4764.3	4063.9	2865.2	2233.0	2179.9
17.5°	4673.3	3497.4	2367.0	2098.9	2038.2
20°	4612.6	3239.4	2177.3	1820.8	1658.9
22.5°	4531.7	3087.7	2002.8	1656.4	1593.2
25°	4443.2	2832.3	1699.4	1547.7	1535.0
27.5°	4329.4	2490.9	1522.4	1507.2	1502.1
30°	4210.5	2114.1	1471.8	1466.7	1459.1
32.5°	4081.6	1964.9	1426.3	1426.3	1418.7
35°	3945.0	1871.3	1380.7	1380.7	1284.7
37.5°	3798.3	1752.5	1335.2	1335.2	966.0
40°	3654.2	1502.1	1282.1	890.2	652.4
42.5°	3487.3	1297.3	1236.6	622.1	5.1
45°	3302.7	1211.3	1181.0	5.1	2.5
47.5°	3128.2	1150.6	804.2	2.5	0.0
50°	2941.0	1084.9	551.3	2.5	0.0
52.5°	2764.0	1024.2	25.3	2.5	0.0
55°	2574.4	955.9	17.7	2.5	0.0
57.5°	2359.4	890.2	15.2	2.5	0.0
60°	2159.6	819.3	12.6	2.5	0.0
62.5°	1939.6	695.4	7.6	2.5	0.0
65°	1729.7	389.4	5.1	2.5	0.0
67.5°	1522.4	63.2	5.1	2.5	0.0
70°	1294.8	43.0	2.5	2.5	0.0
72.5°	1084.9	32.9	2.5	2.5	2.5
75°	864.9	20.2	2.5	2.5	2.5
77.5°	647.4	12.6	2.5	2.5	2.5
80°	445.1	7.6	2.5	2.5	2.5
82.5°	268.1	2.5	2.5	2.5	2.5
85°	129.0	2.5	2.5	2.5	2.5
87.5°	40.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)