

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: P218471

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218471  
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-LD5-62SL-RM-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5902.1 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

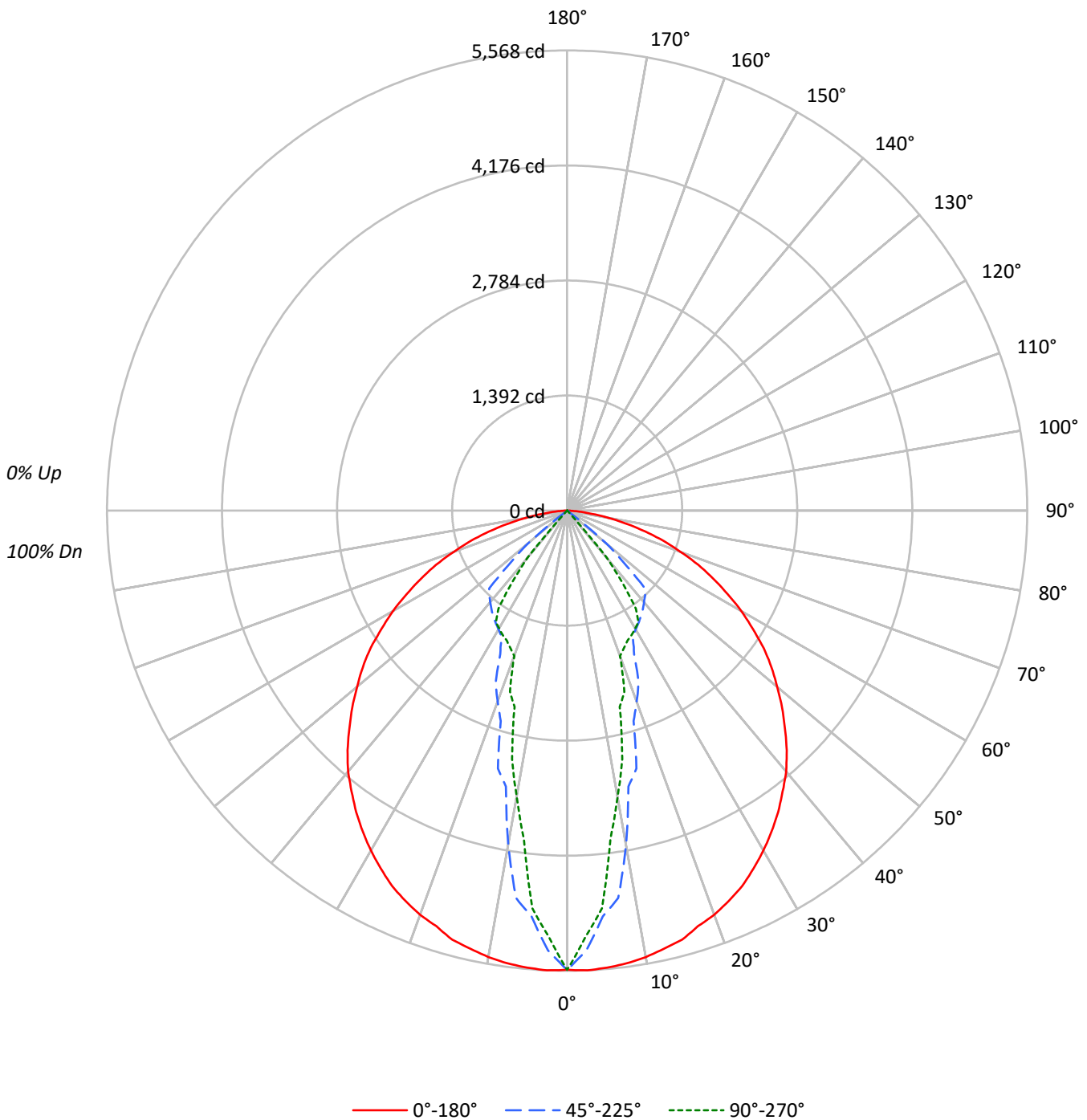
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218471

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218471

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L830-CD1-U

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

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

	0°	45°	90°
0°	89544	89544	89544
5°	89467	74907	71877
10°	89102	59405	48885
15°	88666	45030	32352
20°	87890	33213	23527
25°	87412	25369	20996
30°	86295	21674	19416
35°	85054	20214	16767
40°	83773	18801	8418
45°	81497	17481	33
50°	79227	8302	0
55°	76992	274	0
60°	73218	202	0
65°	68282	84	0
70°	61732	45	0
75°	52551	48	38
80°	37672	52	40
85°	18210	57	43



TEST NUMBER: P218471

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.6	7.8
10°-20°	988.6	16.8
20°-30°	1179.4	20.0
30°-40°	1254.9	21.3
40°-50°	916.9	15.5
50°-60°	585.6	9.9
60°-70°	352.6	6.0
70°-80°	137.5	2.3
80°-90°	27.9	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°	2626.7	44.5
0°-40°	3881.6	65.8
0°-60°	5384.1	91.2
0°-90°	5902.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5902.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5557	5557	5557	5557	5557	
5°	5551	5280	4929	4841	4832	528
15°	5374	4584	3232	2519	2459	1514
25°	5012	3195	1917	1746	1732	2306
35°	4450	2111	1558	1558	1449	2784
45°	3726	1366	1332	6	3	2878
55°	2904	1078	20	3	0	2585
65°	1951	439	6	3	0	1931
75°	976	23	3	3	3	1031
85°	146	3	3	3	3	202
90°	0	0	0	0	0	



TEST NUMBER: P218471

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5557.0	5557.0	5557.0	5557.0	5557.0
2.5°	5568.4	5531.4	5326.0	5240.4	5157.7
5°	5551.3	5280.3	4929.4	4841.0	4832.4
7.5°	5525.6	5026.4	4729.7	4222.0	4008.0
10°	5485.7	4861.0	4102.2	3674.3	3514.5
12.5°	5428.7	4615.6	3420.4	3175.0	3080.9
15°	5374.5	4584.3	3232.1	2518.9	2459.0
17.5°	5271.8	3945.3	2670.1	2367.7	2299.3
20°	5203.3	3654.3	2456.2	2053.9	1871.4
22.5°	5112.0	3483.1	2259.3	1868.5	1797.2
25°	5012.2	3195.0	1917.0	1745.8	1731.6
27.5°	4883.8	2809.9	1717.3	1700.2	1694.5
30°	4749.7	2384.8	1660.3	1654.6	1646.0
32.5°	4604.2	2216.5	1608.9	1608.9	1600.4
35°	4450.2	2111.0	1557.6	1557.6	1449.2
37.5°	4284.7	1976.9	1506.2	1506.2	1089.7
40°	4122.1	1694.5	1446.3	1004.1	736.0
42.5°	3933.9	1463.4	1395.0	701.8	5.7
45°	3725.6	1366.4	1332.2	5.7	2.9
47.5°	3528.8	1298.0	907.2	2.9	0.0
50°	3317.7	1223.8	621.9	2.9	0.0
52.5°	3118.0	1155.3	28.5	2.9	0.0
55°	2904.0	1078.3	20.0	2.9	0.0
57.5°	2661.6	1004.1	17.1	2.9	0.0
60°	2436.2	924.3	14.3	2.9	0.0
62.5°	2188.0	784.5	8.6	2.9	0.0
65°	1951.2	439.3	5.7	2.9	0.0
67.5°	1717.3	71.3	5.7	2.9	0.0
70°	1460.6	48.5	2.9	2.9	0.0
72.5°	1223.8	37.1	2.9	2.9	2.9
75°	975.6	22.8	2.9	2.9	2.9
77.5°	730.3	14.3	2.9	2.9	2.9
80°	502.1	8.6	2.9	2.9	2.9
82.5°	302.4	2.9	2.9	2.9	2.9
85°	145.5	2.9	2.9	2.9	2.9
87.5°	45.6	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)