

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: P217991

Luminaire Tested: **4SNLED-LD5-64SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-64SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6106.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

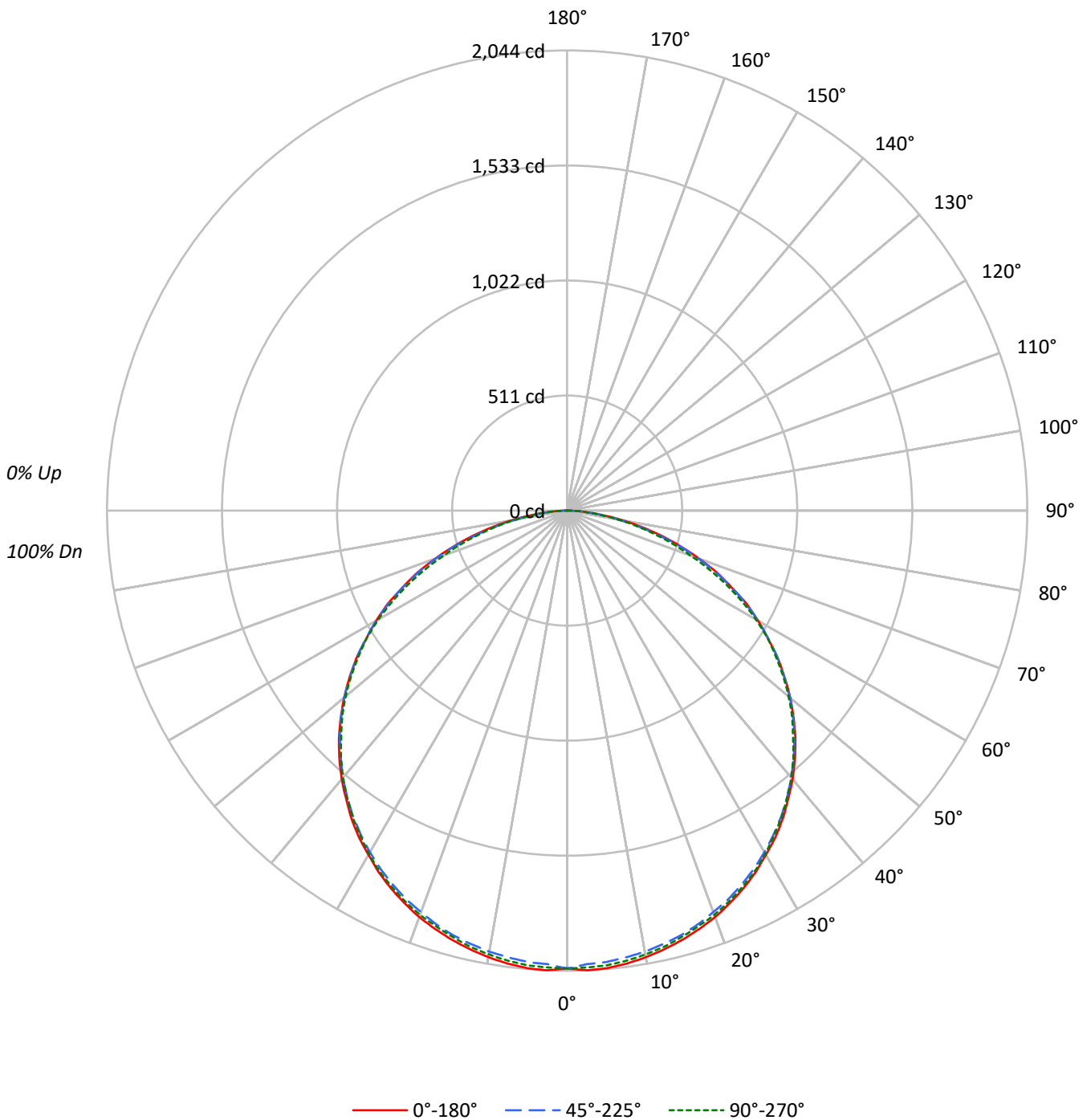
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25		36	30	25		36	29	25	23

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

	0°	45°	90°
0°	32769	32769	32769
5°	32876	30580	30152
10°	32721	28806	27846
15°	32573	27214	25811
20°	32458	25671	24026
25°	32297	24256	22353
30°	32075	22881	20774
35°	31923	21513	19228
40°	31671	20122	17728
45°	31364	18732	16169
50°	30913	17253	14685
55°	30288	15640	13096
60°	29447	13874	11434
65°	28157	11923	9474
70°	26327	9640	7327
75°	23545	6943	5251
80°	18855	4126	3260
85°	11627	1782	1319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.7	3.2
10°-20°	554.8	9.1
20°-30°	850.0	13.9
30°-40°	1040.4	17.0
40°-50°	1101.0	18.0
50°-60°	1018.3	16.7
60°-70°	790.7	12.9
70°-80°	445.4	7.3
80°-90°	112.6	1.8
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°	1597.5	26.2
0°-40°	2637.9	43.2
0°-60°	4757.2	77.9
0°-90°	6106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6106.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2034	2034	2034	2034	2034	
5°	2040	2031	2012	2031	2027	194
15°	1974	1968	1953	1970	1962	558
25°	1852	1846	1833	1848	1844	854
35°	1670	1664	1658	1662	1662	1044
45°	1434	1432	1428	1425	1419	1105
55°	1142	1147	1142	1138	1132	1019
65°	805	811	807	796	781	798
75°	437	437	418	408	399	460
85°	93	93	91	91	89	116
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2033.6	2033.6	2033.6	2033.6	2033.6
2.5°	2044.1	2035.7	2016.7	2035.7	2031.4
5°	2039.9	2031.4	2012.4	2031.4	2027.2
7.5°	2029.3	2023.0	2001.9	2020.9	2016.7
10°	2014.5	2008.2	1989.2	2008.2	2001.9
12.5°	1995.5	1989.2	1972.3	1989.2	1985.0
15°	1974.4	1968.1	1953.3	1970.2	1961.8
17.5°	1949.1	1944.9	1928.0	1944.9	1936.4
20°	1921.6	1913.2	1898.4	1915.3	1911.1
22.5°	1887.8	1883.6	1868.8	1883.6	1879.4
25°	1851.9	1845.6	1832.9	1847.7	1843.5
27.5°	1811.8	1807.6	1794.9	1805.5	1805.5
30°	1765.4	1763.3	1752.7	1763.3	1761.1
32.5°	1721.0	1716.8	1706.2	1714.7	1710.5
35°	1670.3	1664.0	1657.7	1661.9	1661.9
37.5°	1613.3	1611.2	1604.9	1611.2	1604.9
40°	1558.4	1554.2	1547.9	1550.0	1550.0
42.5°	1497.2	1495.1	1488.7	1488.7	1486.6
45°	1433.8	1431.7	1427.5	1425.4	1419.1
47.5°	1364.1	1362.0	1362.0	1359.9	1355.7
50°	1294.5	1294.5	1292.4	1286.0	1283.9
52.5°	1218.4	1222.7	1216.3	1212.1	1210.0
55°	1142.4	1146.6	1142.4	1138.2	1131.9
57.5°	1058.0	1066.4	1060.1	1058.0	1055.8
60°	979.8	984.0	979.8	973.5	969.3
62.5°	899.6	899.6	893.2	889.0	876.3
65°	804.6	810.9	806.7	796.1	781.3
67.5°	720.1	715.9	711.6	699.0	682.1
70°	622.9	625.1	618.7	599.7	582.8
72.5°	530.0	534.3	521.6	496.2	492.0
75°	437.1	437.1	418.1	407.6	399.1
77.5°	342.1	344.2	318.9	316.8	314.6
80°	251.3	255.5	230.2	236.5	234.4
82.5°	171.0	166.8	156.3	156.3	154.2
85°	92.9	92.9	90.8	90.8	88.7
87.5°	35.9	38.0	42.2	46.5	44.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)