

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: P218007

Luminaire Tested: **8TSNLED-LD5-72SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218007
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: 8TSNLED-LD5-72SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6870.0 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

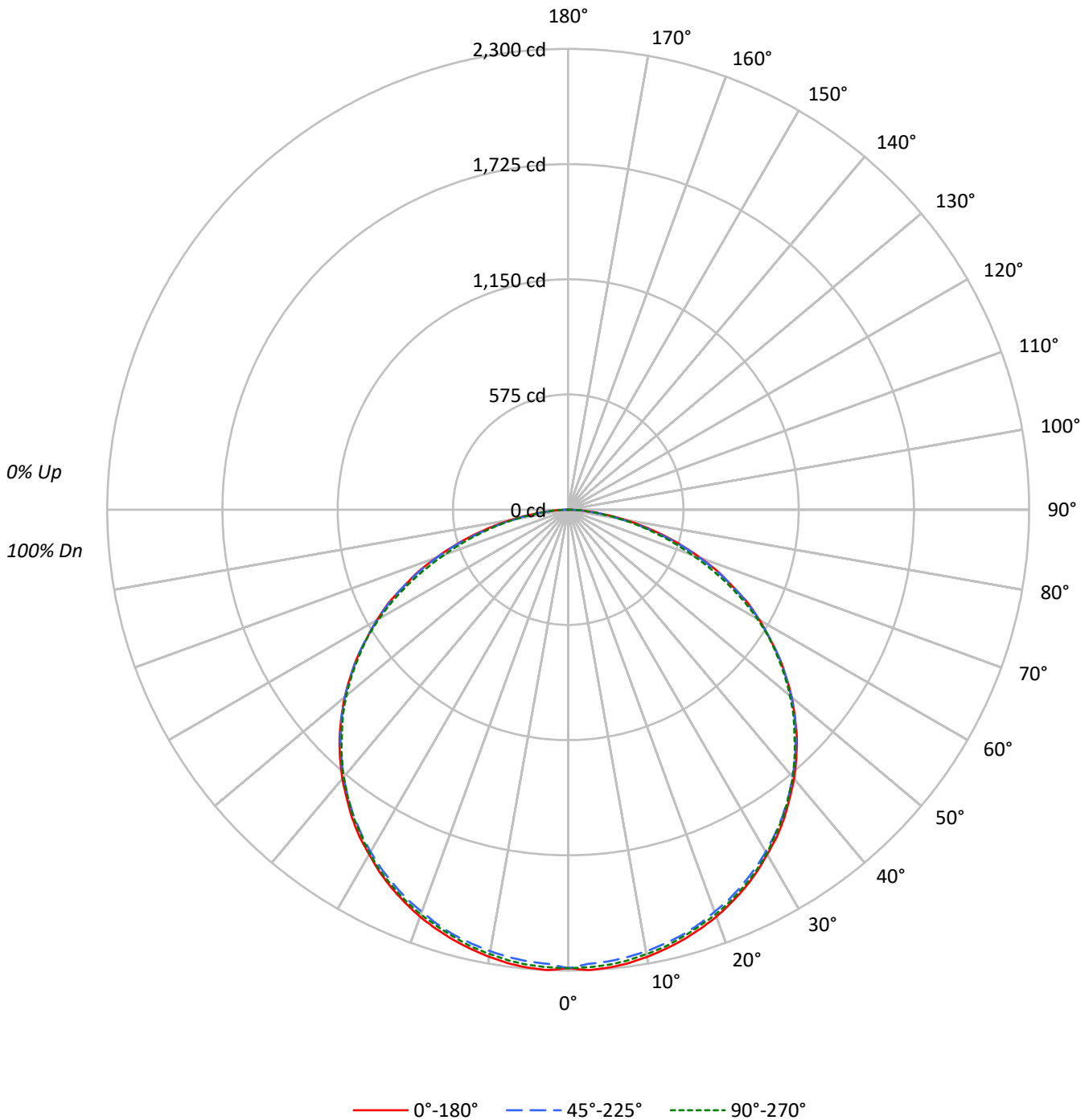
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18434	18434	18434
5°	18528	17224	16963
10°	18475	16243	15665
15°	18427	15360	14520
20°	18398	14503	13516
25°	18345	13716	12575
30°	18259	12949	11687
35°	18218	12185	10817
40°	18124	11407	9973
45°	18005	10628	9096
50°	17812	9797	8261
55°	17533	8890	7367
60°	17144	7894	6432
65°	16517	6791	5330
70°	15615	5496	4122
75°	14203	3964	2954
80°	11728	2359	1834
85°	7799	1021	742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	3.2
10°-20°	624.2	9.1
20°-30°	956.4	13.9
30°-40°	1170.6	17.0
40°-50°	1238.8	18.0
50°-60°	1145.7	16.7
60°-70°	889.7	12.9
70°-80°	501.1	7.3
80°-90°	126.7	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°	1797.4	26.2
0°-40°	2968.0	43.2
0°-60°	5352.5	77.9
0°-90°	6870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2288	2288	2288	2288	2288	
5°	2295	2286	2264	2286	2281	218
15°	2222	2214	2198	2217	2207	627
25°	2084	2076	2062	2079	2074	960
35°	1879	1872	1865	1870	1870	1175
45°	1613	1611	1606	1604	1597	1243
55°	1285	1290	1285	1281	1274	1147
65°	905	912	908	896	879	898
75°	492	492	470	458	449	518
85°	104	104	102	102	100	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2288.0	2288.0	2288.0	2288.0	2288.0
2.5°	2299.9	2290.4	2269.0	2290.4	2285.6
5°	2295.1	2285.6	2264.2	2285.6	2280.9
7.5°	2283.2	2276.1	2252.4	2273.7	2269.0
10°	2266.6	2259.5	2238.1	2259.5	2252.4
12.5°	2245.2	2238.1	2219.1	2238.1	2233.4
15°	2221.5	2214.3	2197.7	2216.7	2207.2
17.5°	2193.0	2188.2	2169.2	2188.2	2178.7
20°	2162.1	2152.6	2135.9	2154.9	2150.2
22.5°	2124.1	2119.3	2102.7	2119.3	2114.6
25°	2083.7	2076.5	2062.3	2078.9	2074.2
27.5°	2038.5	2033.8	2019.5	2031.4	2031.4
30°	1986.3	1983.9	1972.0	1983.9	1981.5
32.5°	1936.4	1931.6	1919.7	1929.2	1924.5
35°	1879.3	1872.2	1865.1	1869.8	1869.8
37.5°	1815.2	1812.8	1805.7	1812.8	1805.7
40°	1753.4	1748.7	1741.5	1743.9	1743.9
42.5°	1684.5	1682.1	1675.0	1675.0	1672.6
45°	1613.2	1610.9	1606.1	1603.7	1596.6
47.5°	1534.8	1532.5	1532.5	1530.1	1525.3
50°	1456.4	1456.4	1454.1	1446.9	1444.6
52.5°	1370.9	1375.6	1368.5	1363.8	1361.4
55°	1285.4	1290.1	1285.4	1280.6	1273.5
57.5°	1190.3	1199.8	1192.7	1190.3	1188.0
60°	1102.4	1107.2	1102.4	1095.3	1090.5
62.5°	1012.1	1012.1	1005.0	1000.3	986.0
65°	905.2	912.3	907.6	895.7	879.1
67.5°	810.2	805.4	800.7	786.4	767.4
70°	700.9	703.3	696.1	674.8	655.8
72.5°	596.4	601.1	586.8	558.3	553.6
75°	491.8	491.8	470.4	458.5	449.0
77.5°	384.9	387.3	358.8	356.4	354.0
80°	282.7	287.5	259.0	266.1	263.7
82.5°	192.4	187.7	175.8	175.8	173.4
85°	104.5	104.5	102.2	102.2	99.8
87.5°	40.4	42.8	47.5	52.3	49.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)