

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: P218009

Luminaire Tested: **8TSNLED-LD5-72SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218009
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7444.0 lumens
Efficiency: N/A
Efficacy: 149.7 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

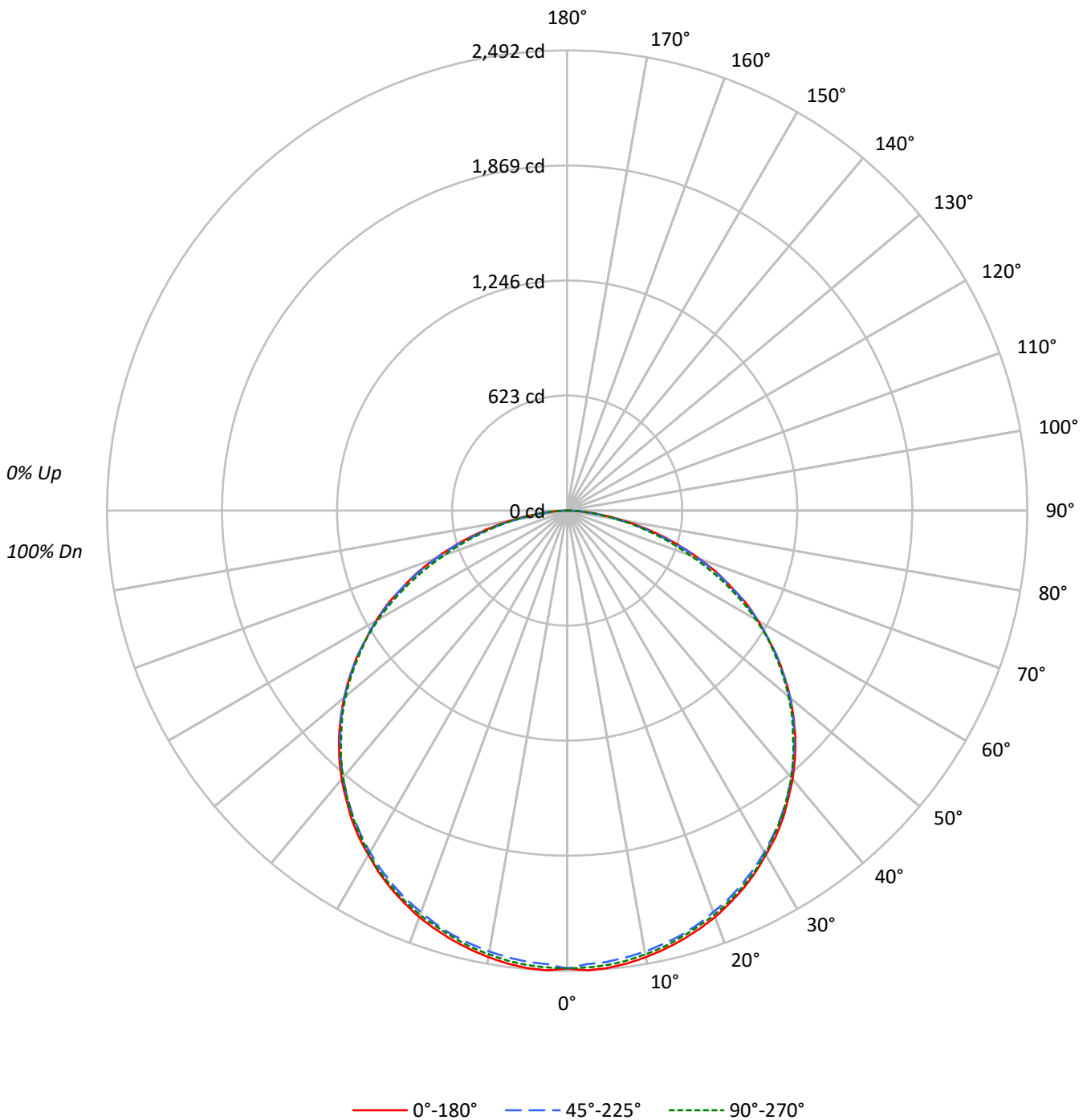
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19974	19974	19974
5°	20076	18663	18380
10°	20019	17600	16973
15°	19966	16643	15733
20°	19935	15715	14645
25°	19878	14862	13626
30°	19784	14031	12664
35°	19741	13203	11721
40°	19638	12360	10806
45°	19510	11516	9856
50°	19300	10615	8951
55°	18998	9633	7983
60°	18576	8553	6970
65°	17899	7358	5775
70°	16921	5956	4466
75°	15390	4295	3201
80°	12711	2556	1988
85°	8456	1106	804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	3.2
10°-20°	676.4	9.1
20°-30°	1036.3	13.9
30°-40°	1268.4	17.0
40°-50°	1342.3	18.0
50°-60°	1241.4	16.7
60°-70°	964.0	12.9
70°-80°	543.0	7.3
80°-90°	137.3	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°	1947.6	26.2
0°-40°	3216.0	43.2
0°-60°	5799.7	77.9
0°-90°	7444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2479	2479	2479	2479	2479	
5°	2487	2477	2453	2477	2471	236
15°	2407	2399	2381	2402	2392	680
25°	2258	2250	2235	2253	2248	1041
35°	2036	2029	2021	2026	2026	1273
45°	1748	1746	1740	1738	1730	1347
55°	1393	1398	1393	1388	1380	1242
65°	981	989	983	971	952	973
75°	533	533	510	497	487	561
85°	113	113	111	111	108	141
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2479.2	2479.2	2479.2	2479.2	2479.2
2.5°	2492.0	2481.7	2458.6	2481.7	2476.6
5°	2486.9	2476.6	2453.4	2476.6	2471.4
7.5°	2474.0	2466.3	2440.5	2463.7	2458.6
10°	2456.0	2448.3	2425.1	2448.3	2440.5
12.5°	2432.8	2425.1	2404.5	2425.1	2420.0
15°	2407.1	2399.4	2381.3	2401.9	2391.6
17.5°	2376.2	2371.0	2350.4	2371.0	2360.7
20°	2342.7	2332.4	2314.4	2335.0	2329.8
22.5°	2301.5	2296.4	2278.4	2296.4	2291.2
25°	2257.8	2250.0	2234.6	2252.6	2247.5
27.5°	2208.8	2203.7	2188.3	2201.1	2201.1
30°	2152.2	2149.6	2136.8	2149.6	2147.1
32.5°	2098.1	2093.0	2080.1	2090.4	2085.3
35°	2036.4	2028.6	2020.9	2026.1	2026.1
37.5°	1966.9	1964.3	1956.6	1964.3	1956.6
40°	1899.9	1894.8	1887.0	1889.6	1889.6
42.5°	1825.3	1822.7	1815.0	1815.0	1812.4
45°	1748.0	1745.5	1740.3	1737.7	1730.0
47.5°	1663.1	1660.5	1660.5	1657.9	1652.8
50°	1578.1	1578.1	1575.5	1567.8	1565.2
52.5°	1485.4	1490.6	1482.9	1477.7	1475.1
55°	1392.8	1397.9	1392.8	1387.6	1379.9
57.5°	1289.8	1300.1	1292.4	1289.8	1287.2
60°	1194.5	1199.7	1194.5	1186.8	1181.7
62.5°	1096.7	1096.7	1089.0	1083.8	1068.4
65°	980.9	988.6	983.4	970.6	952.5
67.5°	877.9	872.7	867.6	852.1	831.5
70°	759.5	762.0	754.3	731.1	710.5
72.5°	646.2	651.3	635.9	605.0	599.8
75°	532.9	532.9	509.7	496.9	486.6
77.5°	417.1	419.6	388.7	386.2	383.6
80°	306.4	311.5	280.6	288.3	285.8
82.5°	208.5	203.4	190.5	190.5	187.9
85°	113.3	113.3	110.7	110.7	108.1
87.5°	43.8	46.3	51.5	56.6	54.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)