

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: P218010

Luminaire Tested: **8TSNLED-LD5-72SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218010
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8052.0 lumens
Efficiency: N/A
Efficacy: 161.9 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

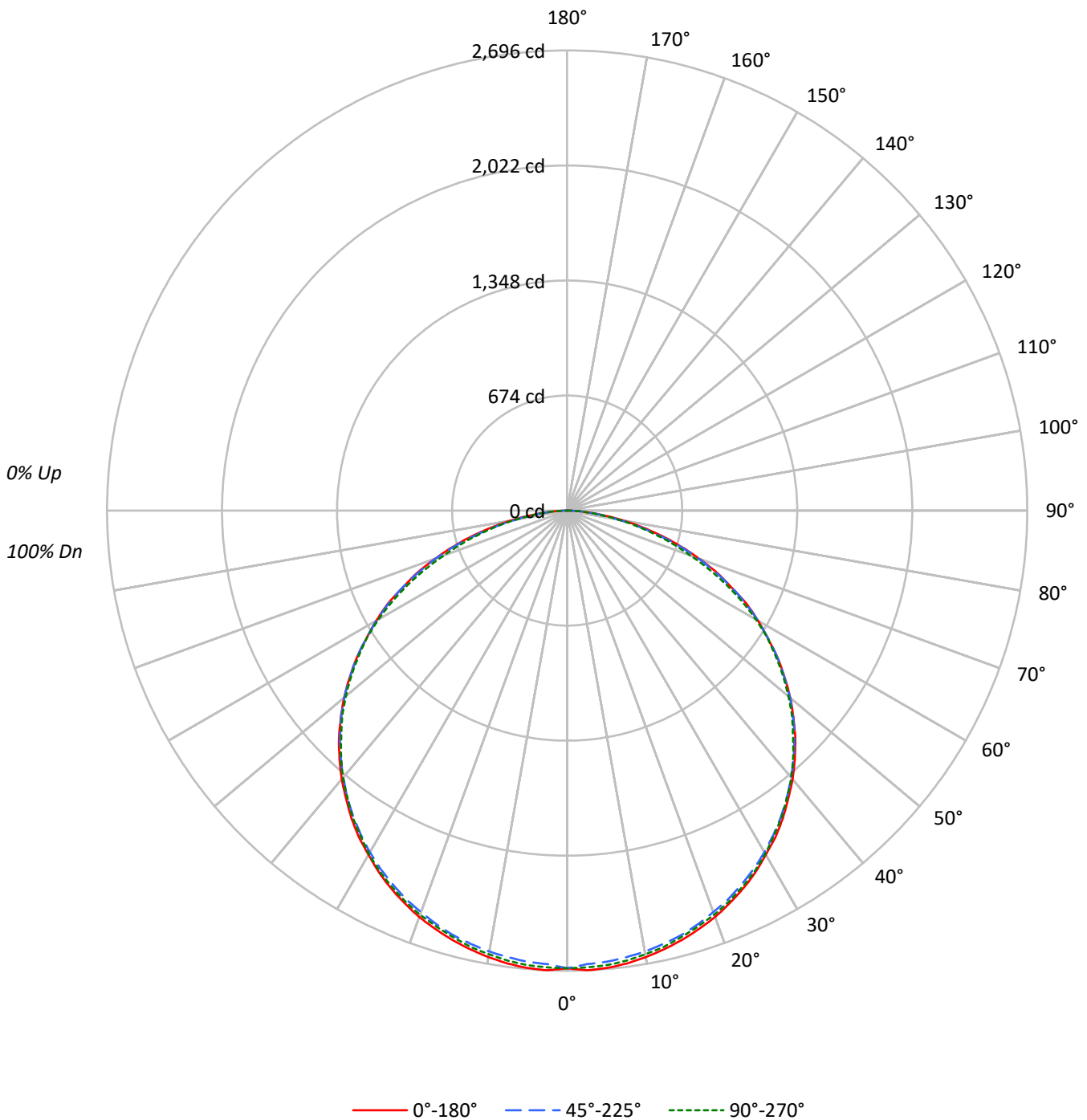
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21606	21606	21606
5°	21716	20188	19881
10°	21654	19038	18360
15°	21597	18003	17018
20°	21563	16998	15841
25°	21501	16076	14738
30°	21400	15177	13698
35°	21353	14282	12678
40°	21242	13370	11689
45°	21103	12456	10661
50°	20877	11483	9682
55°	20549	10419	8635
60°	20094	9252	7539
65°	19360	7959	6246
70°	18302	6442	4831
75°	16646	4647	3462
80°	13748	2764	2150
85°	9143	1196	870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.1	3.2
10°-20°	731.6	9.1
20°-30°	1120.9	13.9
30°-40°	1372.0	17.0
40°-50°	1451.9	18.0
50°-60°	1342.8	16.7
60°-70°	1042.7	12.9
70°-80°	587.3	7.3
80°-90°	148.5	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°	2106.7	26.2
0°-40°	3478.7	43.2
0°-60°	6273.4	77.9
0°-90°	8052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2690	2679	2654	2679	2673	256
15°	2604	2595	2576	2598	2587	735
25°	2442	2434	2417	2437	2431	1126
35°	2203	2194	2186	2192	2192	1377
45°	1891	1888	1882	1880	1871	1457
55°	1506	1512	1506	1501	1493	1344
65°	1061	1069	1064	1050	1030	1053
75°	576	576	551	537	526	607
85°	122	122	120	120	117	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2681.7	2681.7	2681.7	2681.7	2681.7
2.5°	2695.6	2684.4	2659.4	2684.4	2678.9
5°	2690.0	2678.9	2653.8	2678.9	2673.3
7.5°	2676.1	2667.7	2639.9	2664.9	2659.4
10°	2656.6	2648.2	2623.2	2648.2	2639.9
12.5°	2631.5	2623.2	2600.9	2623.2	2617.6
15°	2603.7	2595.3	2575.8	2598.1	2587.0
17.5°	2570.3	2564.7	2542.4	2564.7	2553.6
20°	2534.1	2522.9	2503.4	2525.7	2520.1
22.5°	2489.5	2483.9	2464.4	2483.9	2478.4
25°	2442.2	2433.8	2417.1	2436.6	2431.0
27.5°	2389.3	2383.7	2367.0	2380.9	2380.9
30°	2328.0	2325.2	2311.3	2325.2	2322.4
32.5°	2269.5	2264.0	2250.0	2261.2	2255.6
35°	2202.7	2194.3	2186.0	2191.5	2191.5
37.5°	2127.5	2124.7	2116.4	2124.7	2116.4
40°	2055.1	2049.5	2041.2	2044.0	2044.0
42.5°	1974.3	1971.6	1963.2	1963.2	1960.4
45°	1890.8	1888.0	1882.4	1879.7	1871.3
47.5°	1798.9	1796.1	1796.1	1793.3	1787.8
50°	1707.0	1707.0	1704.2	1695.9	1693.1
52.5°	1606.8	1612.3	1604.0	1598.4	1595.6
55°	1506.5	1512.1	1506.5	1500.9	1492.6
57.5°	1395.1	1406.3	1397.9	1395.1	1392.3
60°	1292.1	1297.7	1292.1	1283.7	1278.2
62.5°	1186.3	1186.3	1177.9	1172.4	1155.6
65°	1061.0	1069.3	1063.8	1049.8	1030.3
67.5°	949.6	944.0	938.4	921.7	899.5
70°	821.5	824.3	815.9	790.9	768.6
72.5°	699.0	704.5	687.8	654.4	648.8
75°	576.4	576.4	551.4	537.4	526.3
77.5°	451.1	453.9	420.5	417.7	414.9
80°	331.4	336.9	303.5	311.9	309.1
82.5°	225.6	220.0	206.1	206.1	203.3
85°	122.5	122.5	119.7	119.7	117.0
87.5°	47.3	50.1	55.7	61.3	58.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)