

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: P218008

Luminaire Tested: **8TSNLED-LD5-72SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218008
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7298.0 lumens
Efficiency: N/A
Efficacy: 146.8 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

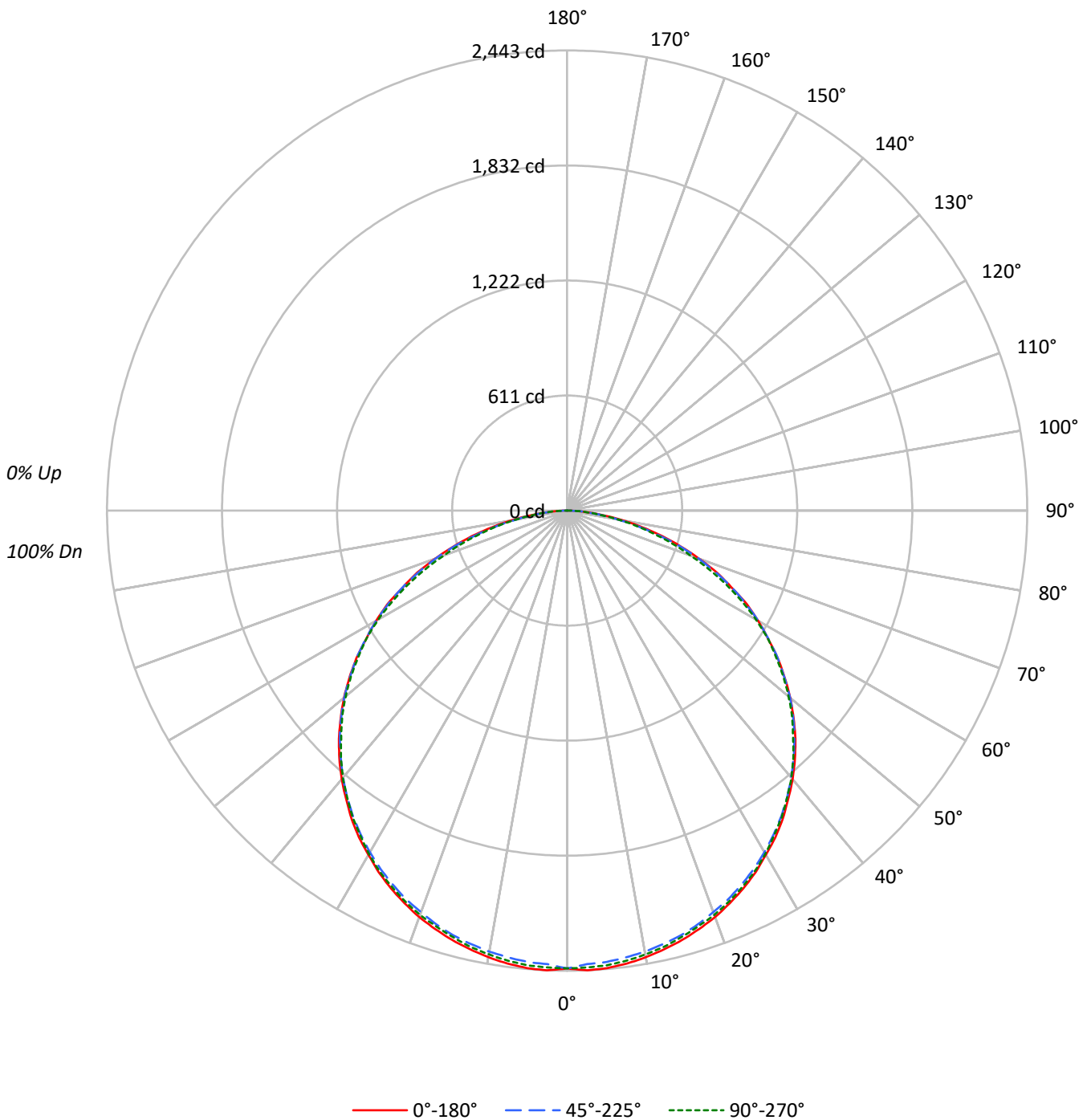
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19582	19582	19582
5°	19682	18298	18020
10°	19626	17254	16641
15°	19575	16317	15424
20°	19544	15406	14358
25°	19488	14571	13358
30°	19396	13756	12415
35°	19353	12944	11491
40°	19254	12117	10595
45°	19127	11290	9663
50°	18922	10407	8775
55°	18624	9444	7826
60°	18212	8386	6833
65°	17547	7213	5662
70°	16589	5839	4379
75°	15089	4211	3138
80°	12458	2506	1949
85°	8292	1084	788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	3.2
10°-20°	663.1	9.1
20°-30°	1016.0	13.9
30°-40°	1243.5	17.0
40°-50°	1315.9	18.0
50°-60°	1217.1	16.7
60°-70°	945.1	12.9
70°-80°	532.3	7.3
80°-90°	134.6	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°	1909.4	26.2
0°-40°	3152.9	43.2
0°-60°	5685.9	77.9
0°-90°	7298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2430	2430	2430	2430	2430	
5°	2438	2428	2405	2428	2423	232
15°	2360	2352	2335	2355	2345	666
25°	2214	2206	2191	2208	2203	1020
35°	1996	1989	1981	1986	1986	1248
45°	1714	1711	1706	1704	1696	1321
55°	1365	1370	1365	1360	1353	1218
65°	962	969	964	952	934	954
75°	522	522	500	487	477	550
85°	111	111	108	108	106	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2430.5	2430.5	2430.5	2430.5	2430.5
2.5°	2443.2	2433.1	2410.3	2433.1	2428.0
5°	2438.1	2428.0	2405.3	2428.0	2423.0
7.5°	2425.5	2417.9	2392.7	2415.4	2410.3
10°	2407.8	2400.3	2377.5	2400.3	2392.7
12.5°	2385.1	2377.5	2357.3	2377.5	2372.5
15°	2359.9	2352.3	2334.6	2354.8	2344.7
17.5°	2329.6	2324.5	2304.3	2324.5	2314.4
20°	2296.8	2286.7	2269.0	2289.2	2284.2
22.5°	2256.4	2251.3	2233.7	2251.3	2246.3
25°	2213.5	2205.9	2190.8	2208.4	2203.4
27.5°	2165.5	2160.5	2145.3	2158.0	2158.0
30°	2110.0	2107.5	2094.9	2107.5	2105.0
32.5°	2057.0	2052.0	2039.3	2049.4	2044.4
35°	1996.4	1988.9	1981.3	1986.3	1986.3
37.5°	1928.3	1925.8	1918.2	1925.8	1918.2
40°	1862.7	1857.6	1850.0	1852.6	1852.6
42.5°	1789.5	1786.9	1779.4	1779.4	1776.8
45°	1713.7	1711.2	1706.2	1703.6	1696.1
47.5°	1630.5	1627.9	1627.9	1625.4	1620.4
50°	1547.2	1547.2	1544.6	1537.1	1534.5
52.5°	1456.3	1461.4	1453.8	1448.7	1446.2
55°	1365.4	1370.5	1365.4	1360.4	1352.8
57.5°	1264.5	1274.6	1267.0	1264.5	1262.0
60°	1171.1	1176.1	1171.1	1163.5	1158.5
62.5°	1075.2	1075.2	1067.6	1062.6	1047.4
65°	961.6	969.2	964.1	951.5	933.9
67.5°	860.7	855.6	850.6	835.4	815.2
70°	744.6	747.1	739.5	716.8	696.6
72.5°	633.5	638.6	623.4	593.1	588.1
75°	522.5	522.5	499.7	487.1	477.0
77.5°	408.9	411.4	381.1	378.6	376.1
80°	300.3	305.4	275.1	282.7	280.2
82.5°	204.4	199.4	186.8	186.8	184.2
85°	111.1	111.1	108.5	108.5	106.0
87.5°	42.9	45.4	50.5	55.5	53.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)