

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: P218528

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-72SL-RW-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7225.0 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

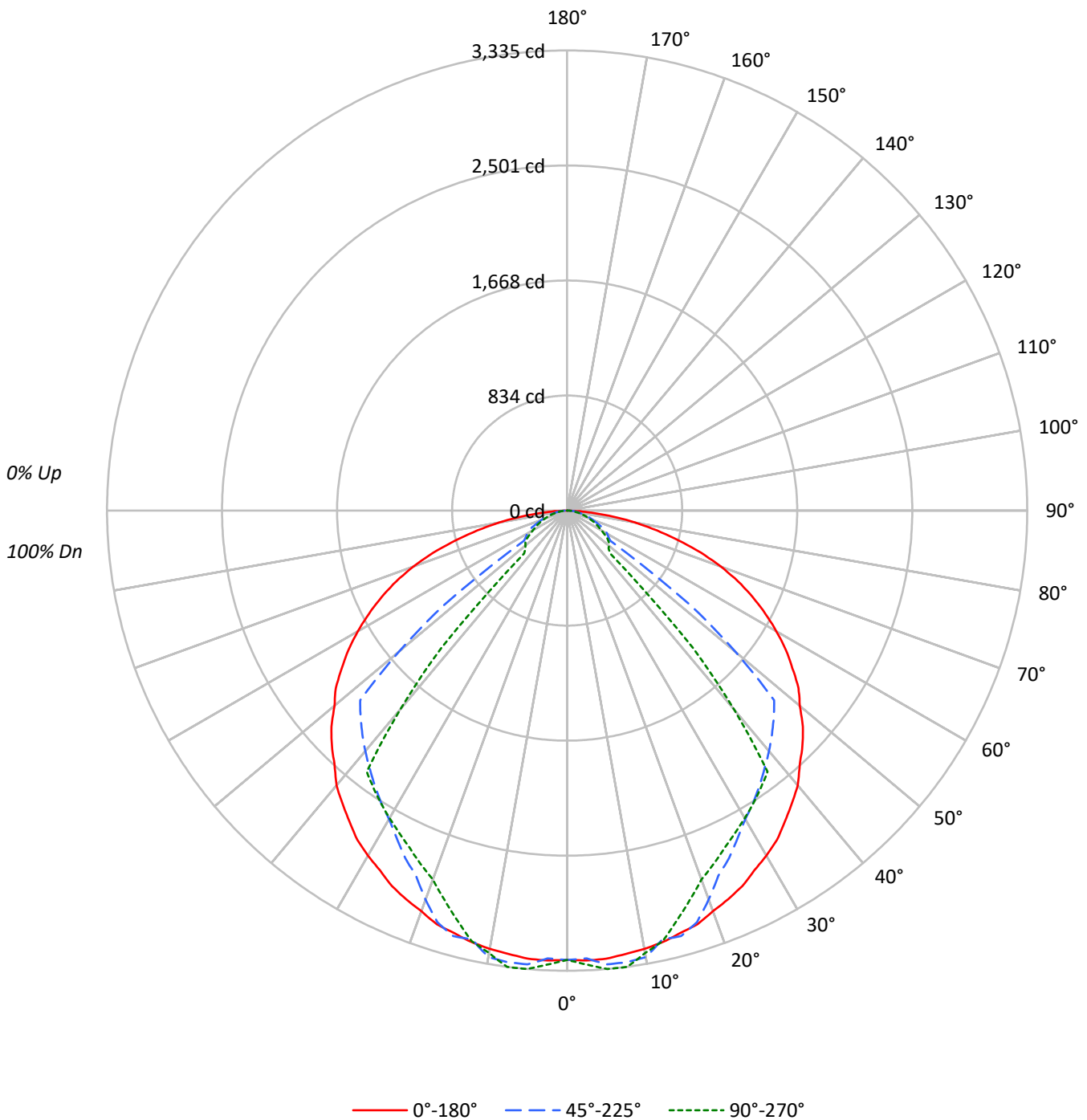
Input Watts (W): 55.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218528

CATALOG NUMBER: 8TSNLED-LD5-72SL-RW-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218528

CATALOG NUMBER: 8TSNLED-LD5-72SL-RW-UNV-L830-CD1-U

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

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

	0°	45°	90°
0°	26233	26233	26233
5°	26316	25113	24804
10°	26295	23849	22645
15°	26288	22309	20229
20°	26295	20368	17885
25°	26443	18472	16359
30°	26536	16951	15181
35°	26668	15880	14170
40°	26878	14909	10797
45°	26919	14015	2512
50°	26916	10741	2263
55°	27193	2632	2071
60°	27252	2402	1689
65°	27093	2030	1394
70°	26363	1577	1090
75°	24160	1175	793
80°	20635	790	498
85°	13218	452	224



TEST NUMBER: P218528

CATALOG NUMBER: 8TSNLED-LD5-72SL-RW-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.3	4.4
10°-20°	891.0	12.3
20°-30°	1312.3	18.2
30°-40°	1579.6	21.9
40°-50°	1352.9	18.7
50°-60°	875.4	12.1
60°-70°	581.9	8.1
70°-80°	248.2	3.4
80°-90°	69.4	1.0
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°	2517.7	34.8
0°-40°	4097.2	56.7
0°-60°	6325.5	87.5
0°-90°	7225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7225.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3256	3256	3256	3256	3256	
5°	3260	3271	3301	3339	3335	310
15°	3169	3256	3192	3124	3075	896
25°	3004	3022	2777	2717	2698	1383
35°	2751	2646	2431	2450	2450	1724
45°	2412	2144	2118	1293	441	1859
55°	1994	1692	381	362	358	1783
65°	1485	1066	271	234	230	1464
75°	837	196	139	124	121	886
85°	177	53	45	34	30	226
90°	0	0	0	0	0	



TEST NUMBER: P218528

CATALOG NUMBER: 8TSNLED-LD5-72SL-RW-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3256.0	3256.0	3256.0	3256.0	3256.0
2.5°	3263.5	3252.2	3248.5	3289.9	3293.7
5°	3259.8	3271.1	3301.2	3338.9	3335.2
7.5°	3240.9	3278.6	3301.2	3357.8	3335.2
10°	3225.9	3293.7	3286.2	3289.9	3256.0
12.5°	3203.3	3267.3	3184.4	3240.9	3195.7
15°	3169.3	3256.0	3191.9	3124.1	3075.1
17.5°	3143.0	3233.4	3127.9	2965.8	2958.3
20°	3090.2	3139.2	2999.8	2882.9	2845.2
22.5°	3048.7	3105.3	2864.1	2784.9	2773.6
25°	3003.5	3022.4	2777.4	2717.1	2698.3
27.5°	2939.5	2977.1	2675.7	2645.5	2634.2
30°	2886.7	2886.7	2581.4	2581.4	2573.9
32.5°	2830.2	2766.1	2509.8	2513.6	2513.6
35°	2751.0	2645.5	2430.7	2449.5	2449.5
37.5°	2675.7	2498.5	2351.6	2381.7	2385.5
40°	2600.3	2385.5	2276.2	2310.1	1888.0
42.5°	2494.8	2261.1	2197.1	1778.7	1345.4
45°	2411.9	2144.3	2117.9	1292.6	440.9
47.5°	2317.6	2031.2	2035.0	410.8	407.0
50°	2200.8	1914.4	1594.1	388.2	395.7
52.5°	2114.1	1808.9	1123.0	376.9	380.6
55°	1993.6	1692.1	380.6	361.8	358.0
57.5°	1880.5	1582.8	354.2	335.4	320.3
60°	1752.4	1466.0	335.4	297.7	286.4
62.5°	1620.5	1349.1	309.0	263.8	256.3
65°	1484.8	1066.5	271.3	233.6	229.9
67.5°	1341.6	700.9	229.9	207.3	203.5
70°	1183.3	275.1	199.7	180.9	173.4
72.5°	1017.5	237.4	169.6	154.5	147.0
75°	836.6	196.0	139.4	124.4	120.6
77.5°	667.0	147.0	113.1	98.0	94.2
80°	497.4	109.3	86.7	75.4	71.6
82.5°	339.2	79.1	64.1	52.8	49.0
85°	177.1	52.8	45.2	33.9	30.1
87.5°	67.8	33.9	26.4	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)