

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: P218019

Luminaire Tested: **8TSNLED-LD5-96SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218019  
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-LD5-96SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9067.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

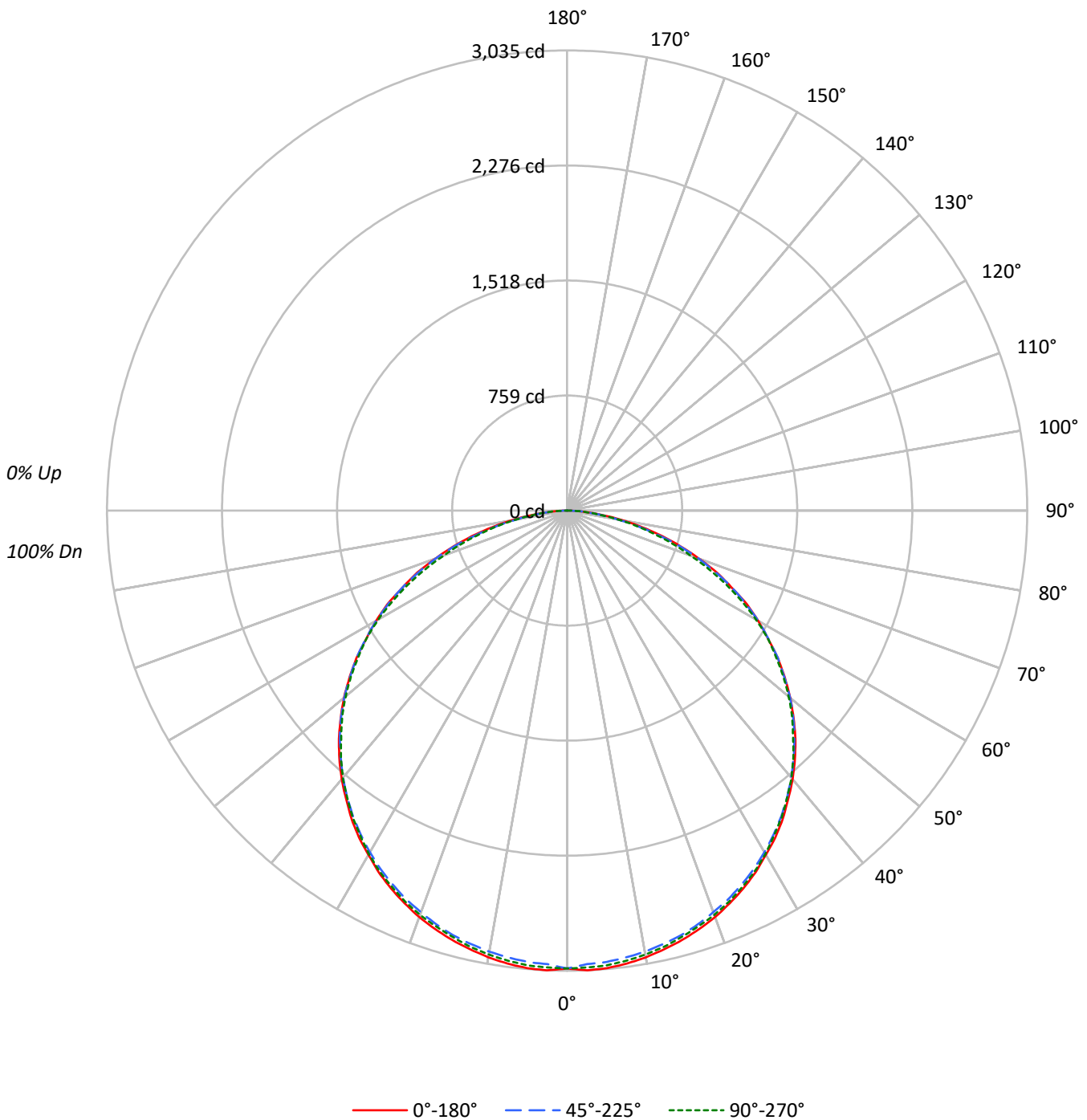
Input Watts (W): 69.18  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	24329	24329	24329
5°	24453	22732	22387
10°	24384	21437	20675
15°	24319	20272	19163
20°	24281	19141	17838
25°	24211	18103	16597
30°	24098	17090	15424
35°	24044	16082	14276
40°	23920	15055	13162
45°	23763	14027	12005
50°	23508	12930	10903
55°	23139	11733	9723
60°	22627	10419	8489
65°	21800	8962	7034
70°	20608	7255	5441
75°	18746	5232	3898
80°	15478	3113	2421
85°	10299	1347	979



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.2	3.2
10°-20°	823.8	9.1
20°-30°	1262.2	13.9
30°-40°	1544.9	17.0
40°-50°	1634.9	18.0
50°-60°	1512.1	16.7
60°-70°	1174.2	12.9
70°-80°	661.4	7.3
80°-90°	167.3	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°	2372.2	26.2
0°-40°	3917.2	43.2
0°-60°	7064.2	77.9
0°-90°	9067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9067.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3020	3020	3020	3020	3020	
5°	3029	3017	2988	3017	3010	288
15°	2932	2922	2900	2926	2913	828
25°	2750	2741	2722	2744	2738	1268
35°	2480	2471	2462	2468	2468	1551
45°	2129	2126	2120	2117	2107	1641
55°	1696	1703	1696	1690	1681	1513
65°	1195	1204	1198	1182	1160	1185
75°	649	649	621	605	593	684
85°	138	138	135	135	132	172
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3019.7	3019.7	3019.7	3019.7	3019.7
2.5°	3035.4	3022.8	2994.6	3022.8	3016.6
5°	3029.1	3016.6	2988.3	3016.6	3010.3
7.5°	3013.4	3004.0	2972.7	3000.9	2994.6
10°	2991.5	2982.1	2953.8	2982.1	2972.7
12.5°	2963.2	2953.8	2928.8	2953.8	2947.6
15°	2931.9	2922.5	2900.5	2925.6	2913.1
17.5°	2894.3	2888.0	2862.9	2888.0	2875.4
20°	2853.5	2841.0	2819.0	2844.1	2837.8
22.5°	2803.3	2797.1	2775.1	2797.1	2790.8
25°	2750.0	2740.6	2721.8	2743.7	2737.5
27.5°	2690.4	2684.2	2665.4	2681.0	2681.0
30°	2621.5	2618.3	2602.6	2618.3	2615.2
32.5°	2555.6	2549.3	2533.7	2546.2	2539.9
35°	2480.3	2470.9	2461.5	2467.8	2467.8
37.5°	2395.7	2392.5	2383.1	2392.5	2383.1
40°	2314.2	2307.9	2298.5	2301.6	2301.6
42.5°	2223.2	2220.1	2210.7	2210.7	2207.5
45°	2129.1	2126.0	2119.7	2116.6	2107.2
47.5°	2025.7	2022.5	2022.5	2019.4	2013.1
50°	1922.2	1922.2	1919.1	1909.6	1906.5
52.5°	1809.3	1815.6	1806.2	1799.9	1796.8
55°	1696.4	1702.7	1696.4	1690.1	1680.7
57.5°	1571.0	1583.5	1574.1	1571.0	1567.9
60°	1455.0	1461.2	1455.0	1445.6	1439.3
62.5°	1335.8	1335.8	1326.4	1320.1	1301.3
65°	1194.7	1204.1	1197.8	1182.2	1160.2
67.5°	1069.3	1063.0	1056.7	1037.9	1012.8
70°	925.0	928.2	918.8	890.5	865.5
72.5°	787.1	793.3	774.5	736.9	730.6
75°	649.1	649.1	620.9	605.2	592.6
77.5°	508.0	511.1	473.5	470.4	467.2
80°	373.1	379.4	341.8	351.2	348.1
82.5°	254.0	247.7	232.0	232.0	228.9
85°	138.0	138.0	134.8	134.8	131.7
87.5°	53.3	56.4	62.7	69.0	65.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)