

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: P218025

Luminaire Tested: **8TSNLED-LD5-104SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218025  
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-LD5-104SL-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10724.0 lumens  
Efficiency: N/A  
Efficacy: 138.6 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

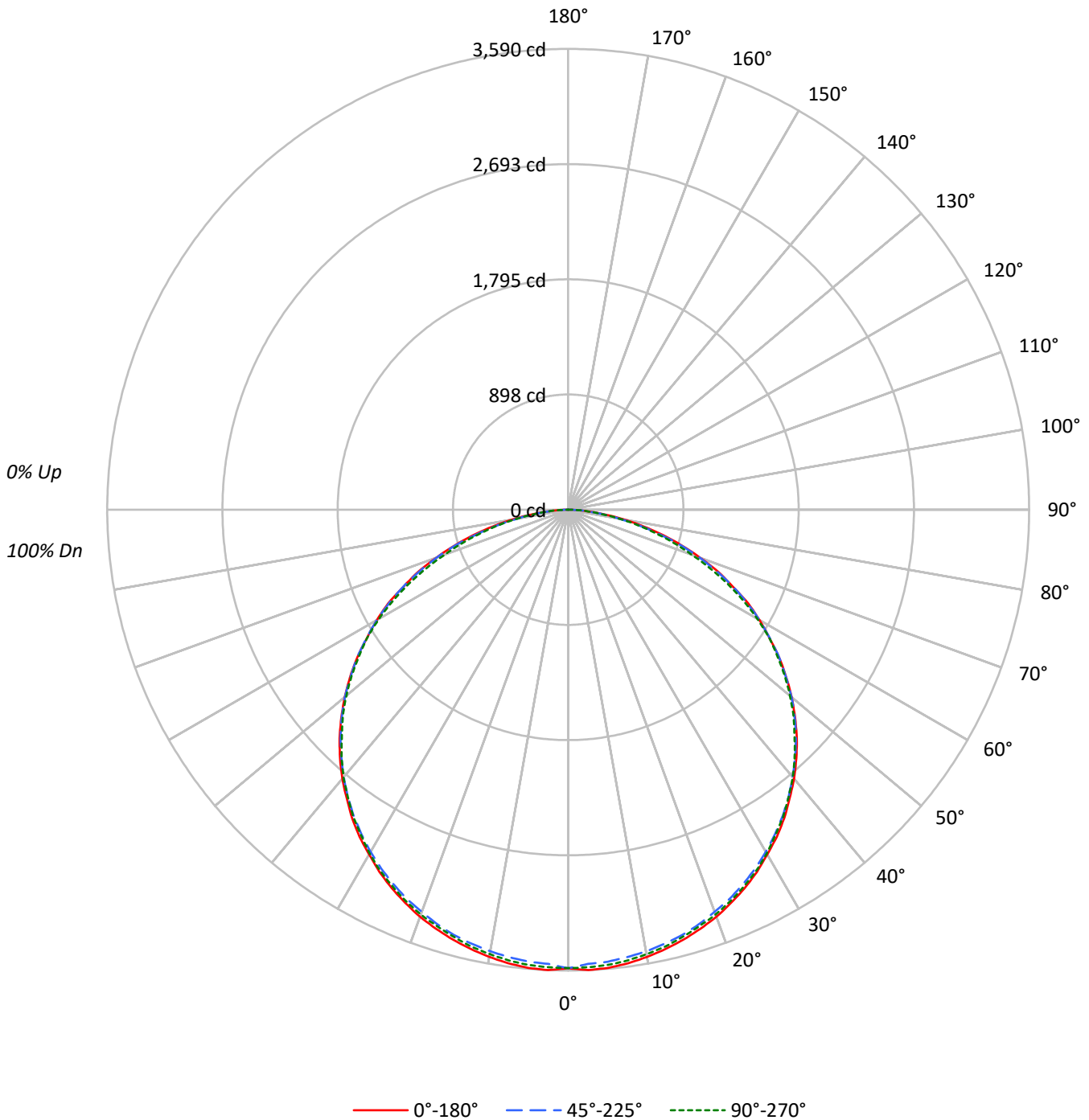
Input Watts (W): 77.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

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

	0°	45°	90°
0°	28775	28775	28775
5°	28923	26888	26479
10°	28840	25355	24452
15°	28763	23977	22665
20°	28719	22639	21098
25°	28636	21411	19630
30°	28501	20214	18243
35°	28438	19021	16885
40°	28292	17806	15568
45°	28107	16590	14199
50°	27805	15293	12895
55°	27367	13877	11500
60°	26762	12323	10040
65°	25783	10600	8319
70°	24375	8581	6434
75°	22171	6188	4611
80°	18308	3683	2863
85°	12180	1594	1159



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.5	3.2
10°-20°	974.4	9.1
20°-30°	1492.9	13.9
30°-40°	1827.3	17.0
40°-50°	1933.7	18.0
50°-60°	1788.4	16.7
60°-70°	1388.7	12.9
70°-80°	782.2	7.3
80°-90°	197.8	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°	2805.8	26.2
0°-40°	4633.0	43.2
0°-60°	8355.2	77.9
0°-90°	10724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3572	3572	3572	3572	3572	
5°	3583	3568	3534	3568	3560	340
15°	3468	3457	3431	3460	3445	979
25°	3253	3242	3219	3245	3238	1499
35°	2934	2922	2911	2919	2919	1834
45°	2518	2514	2507	2503	2492	1941
55°	2006	2014	2006	1999	1988	1790
65°	1413	1424	1417	1398	1372	1402
75°	768	768	734	716	701	809
85°	163	163	160	160	156	203
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3571.5	3571.5	3571.5	3571.5	3571.5
2.5°	3590.1	3575.2	3541.9	3575.2	3567.8
5°	3582.7	3567.8	3534.5	3567.8	3560.4
7.5°	3564.1	3553.0	3515.9	3549.3	3541.9
10°	3538.2	3527.0	3493.7	3527.0	3515.9
12.5°	3504.8	3493.7	3464.0	3493.7	3486.2
15°	3467.7	3456.6	3430.6	3460.3	3445.4
17.5°	3423.2	3415.8	3386.1	3415.8	3400.9
20°	3375.0	3360.1	3334.2	3363.9	3356.4
22.5°	3315.6	3308.2	3282.3	3308.2	3300.8
25°	3252.6	3241.5	3219.2	3245.2	3237.8
27.5°	3182.1	3174.7	3152.5	3171.0	3171.0
30°	3100.5	3096.8	3078.3	3096.8	3093.1
32.5°	3022.6	3015.2	2996.7	3011.5	3004.1
35°	2933.6	2922.5	2911.4	2918.8	2918.8
37.5°	2833.5	2829.8	2818.7	2829.8	2818.7
40°	2737.1	2729.7	2718.5	2722.2	2722.2
42.5°	2629.5	2625.8	2614.7	2614.7	2611.0
45°	2518.3	2514.5	2507.1	2503.4	2492.3
47.5°	2395.9	2392.2	2392.2	2388.4	2381.0
50°	2273.5	2273.5	2269.8	2258.6	2254.9
52.5°	2140.0	2147.4	2136.2	2128.8	2125.1
55°	2006.4	2013.9	2006.4	1999.0	1987.9
57.5°	1858.1	1872.9	1861.8	1858.1	1854.4
60°	1720.9	1728.3	1720.9	1709.7	1702.3
62.5°	1579.9	1579.9	1568.8	1561.4	1539.1
65°	1413.0	1424.2	1416.7	1398.2	1372.2
67.5°	1264.7	1257.3	1249.9	1227.6	1197.9
70°	1094.1	1097.8	1086.7	1053.3	1023.6
72.5°	930.9	938.3	916.1	871.6	864.1
75°	767.7	767.7	734.3	715.8	701.0
77.5°	600.8	604.5	560.0	556.3	552.6
80°	441.3	448.8	404.3	415.4	411.7
82.5°	300.4	293.0	274.4	274.4	270.7
85°	163.2	163.2	159.5	159.5	155.8
87.5°	63.0	66.8	74.2	81.6	77.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)