

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: P218026

Luminaire Tested: **8TSNLED-LD5-104SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218026
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11601.0 lumens
Efficiency: N/A
Efficacy: 149.9 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

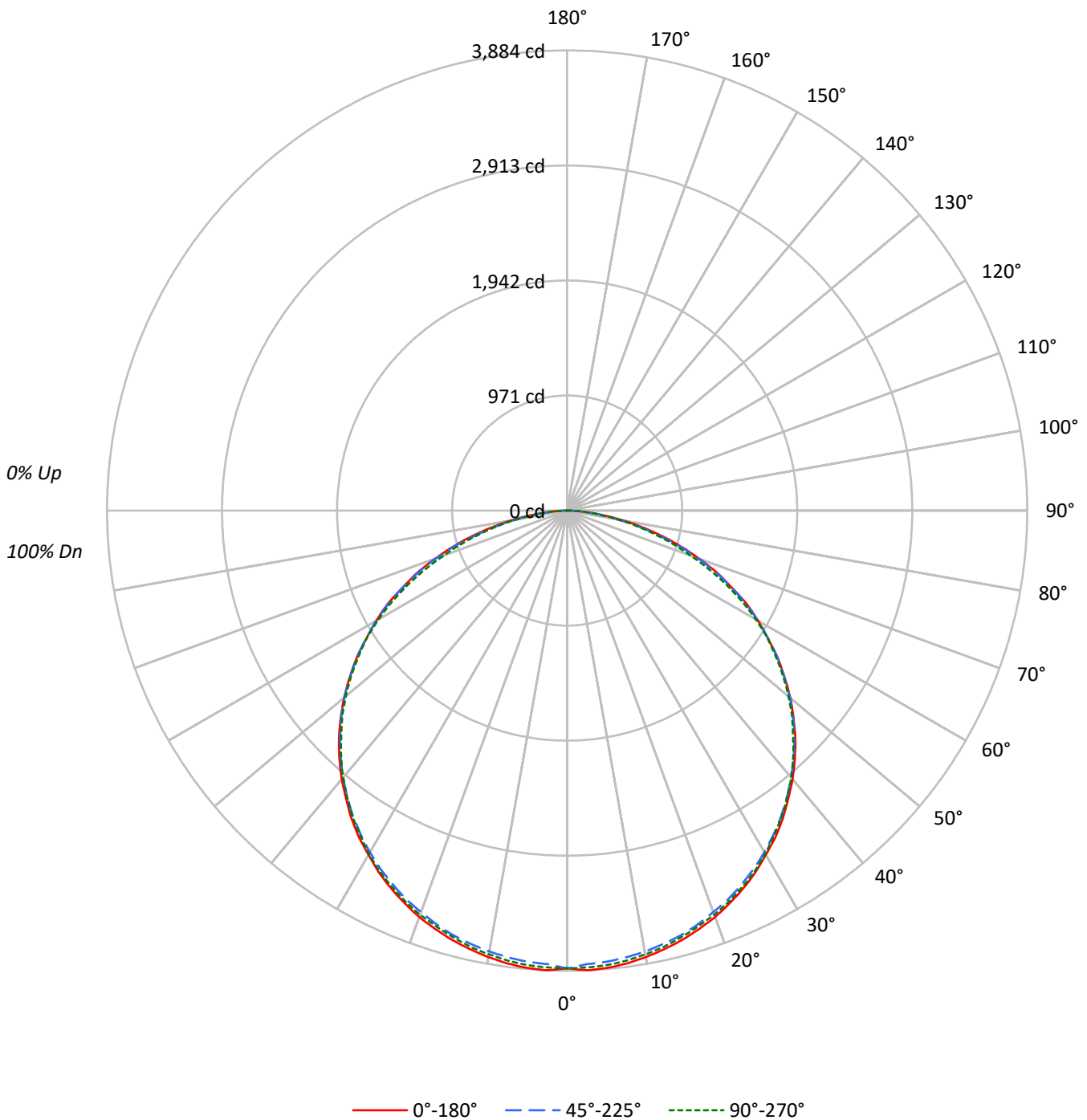
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31128	31128	31128
5°	31288	29086	28644
10°	31198	27428	26452
15°	31116	25938	24519
20°	31067	24490	22824
25°	30978	23162	21234
30°	30832	21866	19735
35°	30763	20577	18266
40°	30605	19262	16841
45°	30405	17947	15360
50°	30078	16544	13950
55°	29606	15012	12440
60°	28950	13330	10861
65°	27893	11467	9000
70°	26369	9282	6960
75°	23984	6694	4988
80°	19805	3983	3097
85°	13173	1724	1253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.2	3.2
10°-20°	1054.1	9.1
20°-30°	1615.0	13.9
30°-40°	1976.7	17.0
40°-50°	2091.8	18.0
50°-60°	1934.7	16.7
60°-70°	1502.3	12.9
70°-80°	846.2	7.3
80°-90°	214.0	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°	3035.2	26.2
0°-40°	5011.9	43.2
0°-60°	9038.5	77.9
0°-90°	11601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3864	3864	3864	3864	3864	
5°	3876	3860	3824	3860	3852	368
15°	3751	3739	3711	3743	3727	1059
25°	3519	3506	3482	3511	3502	1622
35°	3174	3162	3150	3158	3158	1984
45°	2724	2720	2712	2708	2696	2099
55°	2170	2179	2170	2162	2150	1936
65°	1529	1541	1533	1512	1484	1516
75°	830	830	794	774	758	875
85°	176	176	172	172	168	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3863.6	3863.6	3863.6	3863.6	3863.6
2.5°	3883.7	3867.6	3831.5	3867.6	3859.6
5°	3875.7	3859.6	3823.5	3859.6	3851.6
7.5°	3855.6	3843.6	3803.4	3839.5	3831.5
10°	3827.5	3815.5	3779.4	3815.5	3803.4
12.5°	3791.4	3779.4	3747.3	3779.4	3771.3
15°	3751.3	3739.2	3711.2	3743.3	3727.2
17.5°	3703.1	3695.1	3663.0	3695.1	3679.1
20°	3651.0	3634.9	3606.8	3638.9	3630.9
22.5°	3586.8	3578.8	3550.7	3578.8	3570.7
25°	3518.6	3506.5	3482.5	3510.6	3502.5
27.5°	3442.4	3434.3	3410.3	3430.3	3430.3
30°	3354.1	3350.1	3330.0	3350.1	3346.1
32.5°	3269.8	3261.8	3241.7	3257.8	3249.8
35°	3173.5	3161.5	3149.5	3157.5	3157.5
37.5°	3065.2	3061.2	3049.2	3061.2	3049.2
40°	2960.9	2952.9	2940.8	2944.9	2944.9
42.5°	2844.6	2840.5	2828.5	2828.5	2824.5
45°	2724.2	2720.2	2712.2	2708.1	2696.1
47.5°	2591.8	2587.8	2587.8	2583.8	2575.7
50°	2459.4	2459.4	2455.4	2443.3	2439.3
52.5°	2315.0	2323.0	2310.9	2302.9	2298.9
55°	2170.5	2178.6	2170.5	2162.5	2150.5
57.5°	2010.0	2026.1	2014.1	2010.0	2006.0
60°	1861.6	1869.6	1861.6	1849.6	1841.5
62.5°	1709.1	1709.1	1697.1	1689.1	1665.0
65°	1528.6	1540.6	1532.6	1512.5	1484.5
67.5°	1368.1	1360.1	1352.1	1328.0	1295.9
70°	1183.6	1187.6	1175.5	1139.4	1107.3
72.5°	1007.0	1015.1	991.0	942.8	934.8
75°	830.5	830.5	794.4	774.3	758.3
77.5°	650.0	654.0	605.8	601.8	597.8
80°	477.4	485.5	437.3	449.4	445.3
82.5°	325.0	317.0	296.9	296.9	292.9
85°	176.5	176.5	172.5	172.5	168.5
87.5°	68.2	72.2	80.2	88.3	84.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)