

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: P218503

Luminaire Tested: **8TSNLED-LD5-101SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-101SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10163.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

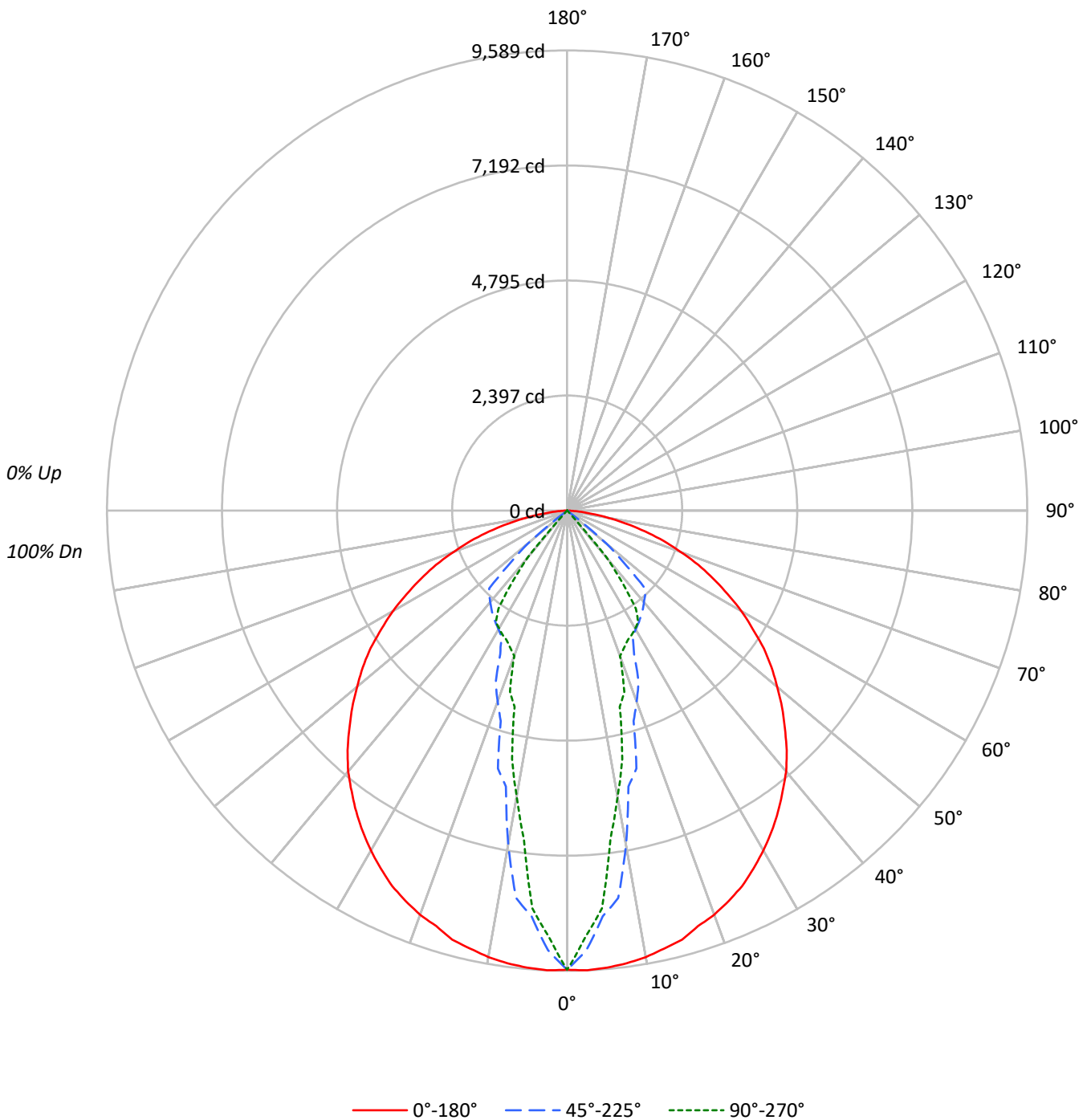
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77096	77096	77096
5°	77169	64572	61885
10°	76997	51264	42089
15°	76764	38898	27855
20°	76242	28717	20256
25°	75985	21955	18077
30°	75183	18773	16717
35°	74284	17523	14436
40°	73369	16313	7247
45°	71602	15180	28
50°	69868	7215	0
55°	68208	238	0
60°	65238	176	0
65°	61309	73	0
70°	56031	39	0
75°	48517	41	32
80°	35865	45	34
85°	18696	49	36



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.7	7.8
10°-20°	1702.4	16.8
20°-30°	2030.9	20.0
30°-40°	2161.0	21.3
40°-50°	1578.8	15.5
50°-60°	1008.4	9.9
60°-70°	607.2	6.0
70°-80°	236.6	2.3
80°-90°	48.0	0.5
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°	4523.0	44.5
0°-40°	6684.0	65.8
0°-60°	9271.2	91.2
0°-90°	10163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9569	9569	9569	9569	9569	
5°	9559	9092	8488	8336	8321	909
15°	9255	7894	5566	4338	4234	2606
25°	8631	5502	3301	3006	2982	3971
35°	7663	3635	2682	2682	2495	4794
45°	6415	2353	2294	10	5	4956
55°	5001	1857	34	5	0	4452
65°	3360	756	10	5	0	3325
75°	1680	39	5	5	5	1775
85°	250	5	5	5	5	349
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9569.0	9569.0	9569.0	9569.0	9569.0
2.5°	9588.6	9524.8	9171.1	9023.7	8881.3
5°	9559.1	9092.5	8488.3	8336.0	8321.3
7.5°	9514.9	8655.3	8144.4	7270.1	6901.6
10°	9446.2	8370.4	7063.7	6326.9	6051.8
12.5°	9347.9	7947.9	5889.7	5467.3	5305.2
15°	9254.6	7893.9	5565.5	4337.5	4234.3
17.5°	9077.8	6793.6	4597.8	4077.1	3959.2
20°	8959.9	6292.5	4229.4	3536.8	3222.4
22.5°	8802.7	5997.8	3890.5	3217.5	3094.7
25°	8630.7	5501.7	3301.0	3006.3	2981.7
27.5°	8409.7	4838.5	2957.1	2927.7	2917.8
30°	8178.8	4106.6	2858.9	2849.1	2834.3
32.5°	7928.3	3816.8	2770.5	2770.5	2755.7
35°	7663.0	3635.0	2682.1	2682.1	2495.4
37.5°	7378.1	3404.2	2593.6	2593.6	1876.5
40°	7098.1	2917.8	2490.5	1729.1	1267.3
42.5°	6773.9	2520.0	2402.1	1208.4	9.8
45°	6415.3	2352.9	2294.0	9.8	4.9
47.5°	6076.4	2235.1	1562.1	4.9	0.0
50°	5712.9	2107.3	1070.9	4.9	0.0
52.5°	5369.0	1989.4	49.1	4.9	0.0
55°	5000.6	1856.8	34.4	4.9	0.0
57.5°	4583.1	1729.1	29.5	4.9	0.0
60°	4195.0	1591.6	24.6	4.9	0.0
62.5°	3767.7	1350.9	14.7	4.9	0.0
65°	3359.9	756.5	9.8	4.9	0.0
67.5°	2957.1	122.8	9.8	4.9	0.0
70°	2515.0	83.5	4.9	4.9	0.0
72.5°	2107.3	63.9	4.9	4.9	4.9
75°	1680.0	39.3	4.9	4.9	4.9
77.5°	1257.5	24.6	4.9	4.9	4.9
80°	864.5	14.7	4.9	4.9	4.9
82.5°	520.7	4.9	4.9	4.9	4.9
85°	250.5	4.9	4.9	4.9	4.9
87.5°	78.6	4.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)