

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: P218504

Luminaire Tested: **8TSNLED-LD5-101SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218504
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10367.0 lumens
Efficiency: N/A
Efficacy: 134.0 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

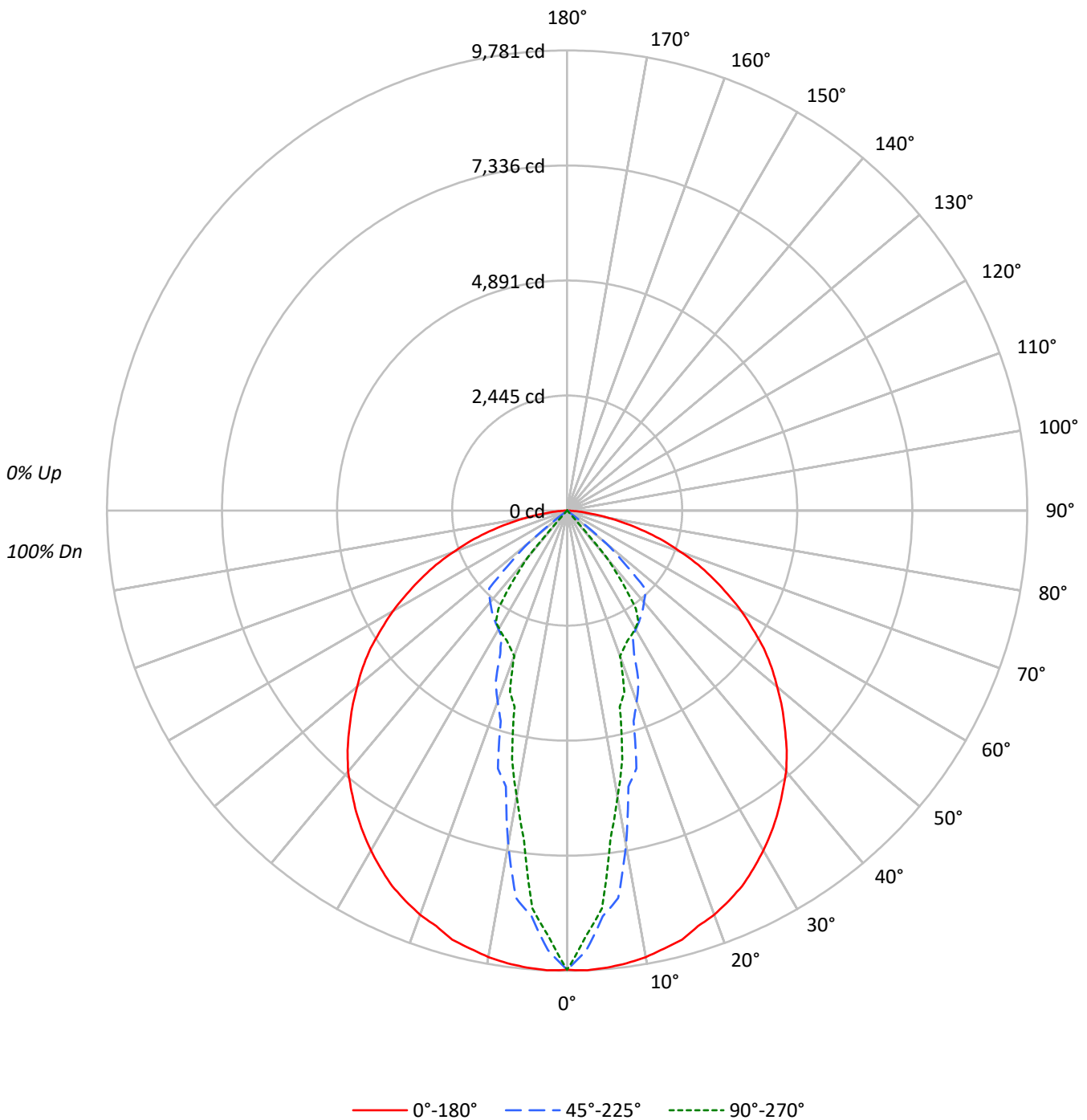
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	78643	78643	78643
5°	78718	65868	63127
10°	78542	52293	42934
15°	78305	39679	28414
20°	77772	29294	20663
25°	77511	22396	18440
30°	76692	19150	17052
35°	75776	17874	14726
40°	74842	16640	7393
45°	73039	15484	28
50°	71271	7360	0
55°	69578	243	0
60°	66547	180	0
65°	62540	75	0
70°	57156	39	0
75°	49490	42	33
80°	36586	46	35
85°	19076	50	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.6	7.8
10°-20°	1736.5	16.8
20°-30°	2071.7	20.0
30°-40°	2204.3	21.3
40°-50°	1610.5	15.5
50°-60°	1028.7	9.9
60°-70°	619.3	6.0
70°-80°	241.4	2.3
80°-90°	49.0	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°	4613.8	44.5
0°-40°	6818.1	65.8
0°-60°	9457.3	91.2
0°-90°	10367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9761	9761	9761	9761	9761	
5°	9751	9275	8659	8503	8488	927
15°	9440	8052	5677	4424	4319	2659
25°	8804	5612	3367	3067	3042	4051
35°	7817	3708	2736	2736	2546	4890
45°	6544	2400	2340	10	5	5055
55°	5101	1894	35	5	0	4541
65°	3427	772	10	5	0	3391
75°	1714	40	5	5	5	1810
85°	256	5	5	5	5	356
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9761.0	9761.0	9761.0	9761.0	9761.0
2.5°	9781.1	9716.0	9355.2	9204.8	9059.5
5°	9751.0	9275.0	8658.7	8503.3	8488.3
7.5°	9705.9	8829.0	8307.9	7416.0	7040.2
10°	9635.8	8538.4	7205.5	6453.9	6173.3
12.5°	9535.6	8107.5	6008.0	5577.0	5411.7
15°	9440.4	8052.4	5677.2	4424.5	4319.3
17.5°	9260.0	6929.9	4690.1	4159.0	4038.7
20°	9139.7	6418.8	4314.3	3607.8	3287.1
22.5°	8979.4	6118.2	3968.6	3282.1	3156.8
25°	8804.0	5612.1	3367.3	3066.6	3041.6
27.5°	8578.5	4935.6	3016.5	2986.4	2976.4
30°	8343.0	4189.0	2916.3	2906.3	2891.2
32.5°	8087.4	3893.4	2826.1	2826.1	2811.1
35°	7816.9	3708.0	2735.9	2735.9	2545.5
37.5°	7526.2	3472.5	2645.7	2645.7	1914.1
40°	7240.6	2976.4	2540.5	1763.8	1292.8
42.5°	6909.9	2570.5	2450.3	1232.7	10.0
45°	6544.1	2400.2	2340.0	10.0	5.0
47.5°	6198.4	2279.9	1593.4	5.0	0.0
50°	5827.6	2149.6	1092.4	5.0	0.0
52.5°	5476.8	2029.4	50.1	5.0	0.0
55°	5101.0	1894.1	35.1	5.0	0.0
57.5°	4675.1	1763.8	30.1	5.0	0.0
60°	4279.2	1623.5	25.1	5.0	0.0
62.5°	3843.3	1378.0	15.0	5.0	0.0
65°	3427.4	771.7	10.0	5.0	0.0
67.5°	3016.5	125.3	10.0	5.0	0.0
70°	2565.5	85.2	5.0	5.0	0.0
72.5°	2149.6	65.1	5.0	5.0	5.0
75°	1713.7	40.1	5.0	5.0	5.0
77.5°	1282.8	25.1	5.0	5.0	5.0
80°	881.9	15.0	5.0	5.0	5.0
82.5°	531.1	5.0	5.0	5.0	5.0
85°	255.6	5.0	5.0	5.0	5.0
87.5°	80.2	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)