

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: P218508

Luminaire Tested: **8TSNLED-LD5-109SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218508
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-LD5-109SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11199.0 lumens
Efficiency: N/A
Efficacy: 130.8 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

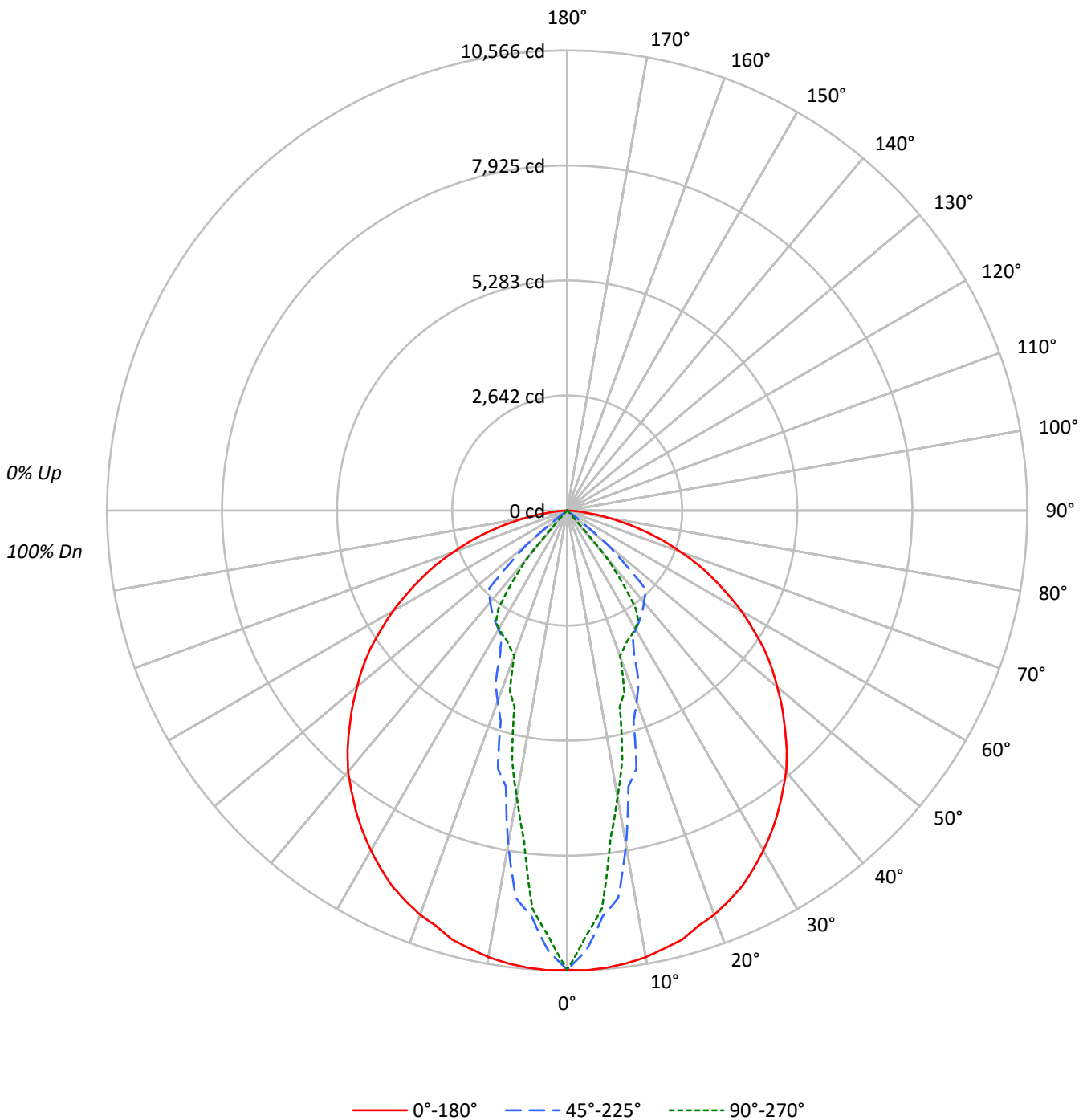
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84954	84954	84954
5°	85036	71154	68193
10°	84846	56490	46379
15°	84589	42864	30695
20°	84013	31644	22321
25°	83731	24193	19920
30°	82848	20686	18421
35°	81857	19309	15907
40°	80848	17976	7986
45°	78901	16727	31
50°	76991	7951	0
55°	75162	262	0
60°	71889	194	0
65°	67560	81	0
70°	61743	43	0
75°	53461	46	36
80°	39524	49	38
85°	20606	54	40



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	7.8
10°-20°	1875.9	16.8
20°-30°	2237.9	20.0
30°-40°	2381.2	21.3
40°-50°	1739.8	15.5
50°-60°	1111.2	9.9
60°-70°	669.0	6.0
70°-80°	260.7	2.3
80°-90°	52.9	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°	4984.1	44.5
0°-40°	7365.3	65.8
0°-60°	10216.3	91.2
0°-90°	11199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10544	10544	10544	10544	10544	
5°	10534	10019	9354	9186	9170	###
15°	10198	8699	6133	4780	4666	2872
25°	9510	6062	3638	3313	3286	4376
35°	8444	4006	2956	2956	2750	5282
45°	7069	2593	2528	11	5	5461
55°	5510	2046	38	5	0	4906
65°	3702	834	11	5	0	3664
75°	1851	43	5	5	5	1956
85°	276	5	5	5	5	384
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10544.4	10544.4	10544.4	10544.4	10544.4
2.5°	10566.1	10495.7	10106.0	9943.6	9786.6
5°	10533.6	10019.4	9353.6	9185.8	9169.5
7.5°	10484.9	9537.6	8974.7	8011.2	7605.2
10°	10409.1	9223.7	7783.8	6971.9	6668.7
12.5°	10300.8	8758.1	6490.1	6024.6	5846.0
15°	10198.0	8698.6	6132.9	4779.6	4666.0
17.5°	10003.1	7486.1	5066.5	4492.7	4362.8
20°	9873.2	6934.0	4660.5	3897.3	3550.9
22.5°	9700.0	6609.2	4287.1	3545.5	3410.2
25°	9510.5	6062.5	3637.5	3312.7	3285.7
27.5°	9267.0	5331.8	3258.6	3226.1	3215.3
30°	9012.6	4525.2	3150.3	3139.5	3123.3
32.5°	8736.5	4205.9	3052.9	3052.9	3036.7
35°	8444.2	4005.6	2955.5	2955.5	2749.8
37.5°	8130.2	3751.2	2858.0	2858.0	2067.7
40°	7821.7	3215.3	2744.4	1905.4	1396.5
42.5°	7464.5	2776.8	2646.9	1331.6	10.8
45°	7069.3	2592.8	2527.8	10.8	5.4
47.5°	6695.8	2462.9	1721.3	5.4	0.0
50°	6295.3	2322.2	1180.0	5.4	0.0
52.5°	5916.3	2192.2	54.1	5.4	0.0
55°	5510.4	2046.1	37.9	5.4	0.0
57.5°	5050.3	1905.4	32.5	5.4	0.0
60°	4622.7	1753.8	27.1	5.4	0.0
62.5°	4151.7	1488.6	16.2	5.4	0.0
65°	3702.5	833.6	10.8	5.4	0.0
67.5°	3258.6	135.3	10.8	5.4	0.0
70°	2771.4	92.0	5.4	5.4	0.0
72.5°	2322.2	70.4	5.4	5.4	5.4
75°	1851.2	43.3	5.4	5.4	5.4
77.5°	1385.7	27.1	5.4	5.4	5.4
80°	952.7	16.2	5.4	5.4	5.4
82.5°	573.8	5.4	5.4	5.4	5.4
85°	276.1	5.4	5.4	5.4	5.4
87.5°	86.6	5.4	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)