

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: P218507

Luminaire Tested: **8TSNLED-LD5-109SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218507
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10979.0 lumens
Efficiency: N/A
Efficacy: 128.2 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

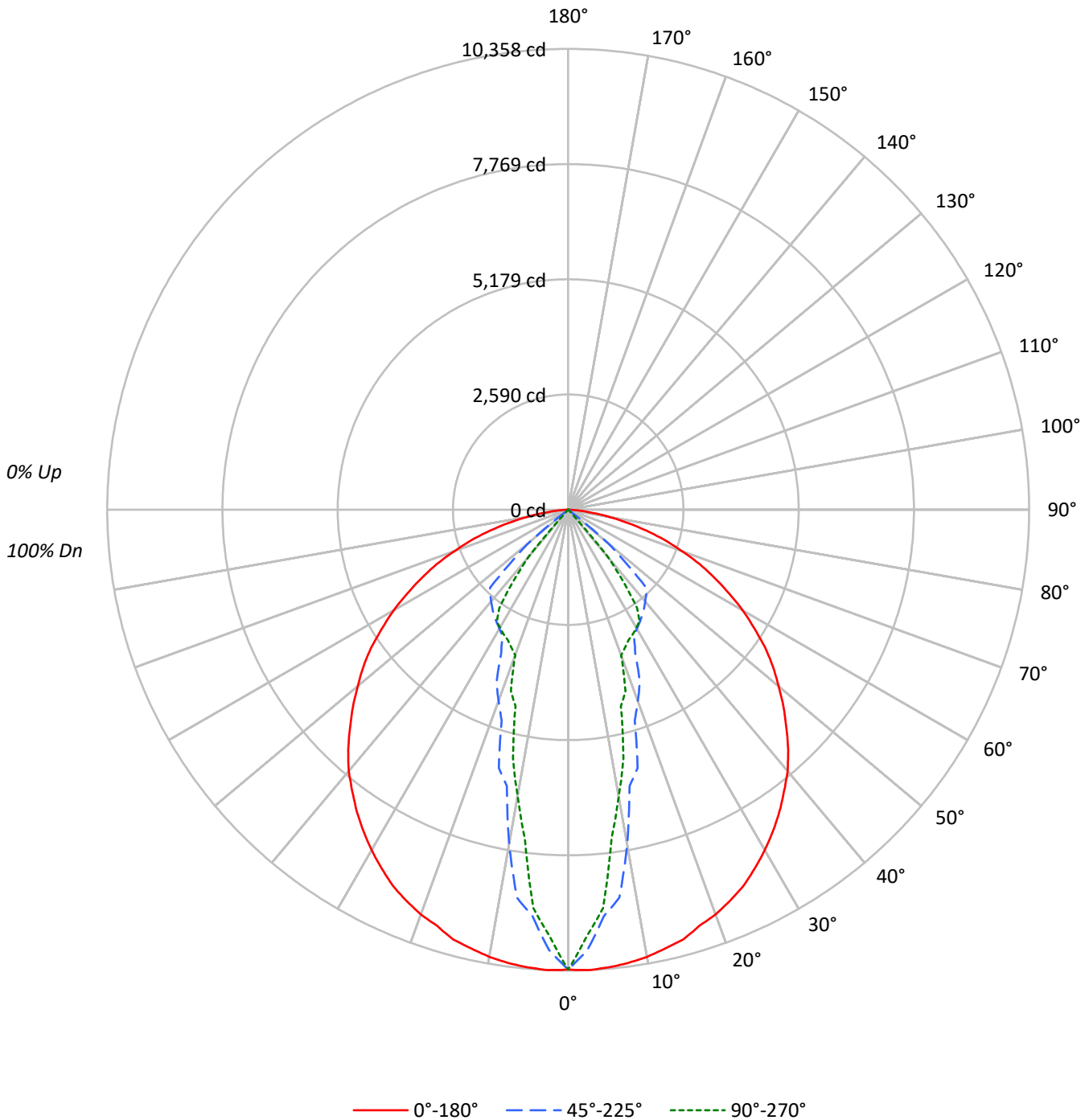
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83286	83286	83286
5°	83366	69756	66854
10°	83179	55380	45468
15°	82927	42022	30091
20°	82363	31023	21882
25°	82086	23717	19528
30°	81220	20280	18059
35°	80249	18930	15595
40°	79260	17623	7830
45°	77351	16399	30
50°	75478	7794	0
55°	73685	257	0
60°	70476	190	0
65°	66232	79	0
70°	60532	42	0
75°	52413	45	35
80°	38748	48	37
85°	20196	53	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.1	7.8
10°-20°	1839.1	16.8
20°-30°	2194.0	20.0
30°-40°	2334.5	21.3
40°-50°	1705.6	15.5
50°-60°	1089.4	9.9
60°-70°	655.9	6.0
70°-80°	255.6	2.3
80°-90°	51.8	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°	4886.2	44.5
0°-40°	7220.6	65.8
0°-60°	10015.6	91.2
0°-90°	10979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10337	10337	10337	10337	10337	
5°	10327	9822	9170	9005	8989	982
15°	9998	8528	6012	4686	4574	2816
25°	9324	5943	3566	3248	3221	4290
35°	8278	3927	2897	2897	2696	5179
45°	6930	2542	2478	11	5	5353
55°	5402	2006	37	5	0	4809
65°	3630	817	11	5	0	3592
75°	1815	42	5	5	5	1917
85°	271	5	5	5	5	377
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10337.3	10337.3	10337.3	10337.3	10337.3
2.5°	10358.5	10289.5	9907.4	9748.2	9594.4
5°	10326.7	9822.5	9169.8	9005.3	8989.4
7.5°	10278.9	9350.2	8798.4	7853.8	7455.8
10°	10204.6	9042.5	7630.9	6834.9	6537.7
12.5°	10098.5	8586.1	6362.6	5906.3	5731.1
15°	9997.7	8527.7	6012.4	4685.7	4574.3
17.5°	9806.6	7339.0	4967.0	4404.5	4277.1
20°	9679.3	6797.8	4569.0	3820.8	3481.1
22.5°	9509.4	6479.4	4202.8	3475.8	3343.2
25°	9323.7	5943.4	3566.0	3247.6	3221.1
27.5°	9084.9	5227.0	3194.6	3162.7	3152.1
30°	8835.5	4436.3	3088.4	3077.8	3061.9
32.5°	8564.9	4123.2	2992.9	2992.9	2977.0
35°	8278.3	3926.9	2897.4	2897.4	2695.8
37.5°	7970.5	3677.5	2801.9	2801.9	2027.1
40°	7668.1	3152.1	2690.5	1867.9	1369.1
42.5°	7317.8	2722.3	2594.9	1305.4	10.6
45°	6930.4	2541.9	2478.2	10.6	5.3
47.5°	6564.3	2414.5	1687.5	5.3	0.0
50°	6171.6	2276.5	1156.8	5.3	0.0
52.5°	5800.1	2149.2	53.1	5.3	0.0
55°	5402.1	2005.9	37.1	5.3	0.0
57.5°	4951.1	1867.9	31.8	5.3	0.0
60°	4531.8	1719.3	26.5	5.3	0.0
62.5°	4070.2	1459.3	15.9	5.3	0.0
65°	3629.7	817.2	10.6	5.3	0.0
67.5°	3194.6	132.7	10.6	5.3	0.0
70°	2717.0	90.2	5.3	5.3	0.0
72.5°	2276.5	69.0	5.3	5.3	5.3
75°	1814.9	42.5	5.3	5.3	5.3
77.5°	1358.5	26.5	5.3	5.3	5.3
80°	934.0	15.9	5.3	5.3	5.3
82.5°	562.5	5.3	5.3	5.3	5.3
85°	270.6	5.3	5.3	5.3	5.3
87.5°	84.9	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)