

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: P218506

Luminaire Tested: **8TSNLED-LD5-109SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218506
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10335.0 lumens
Efficiency: N/A
Efficacy: 120.7 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

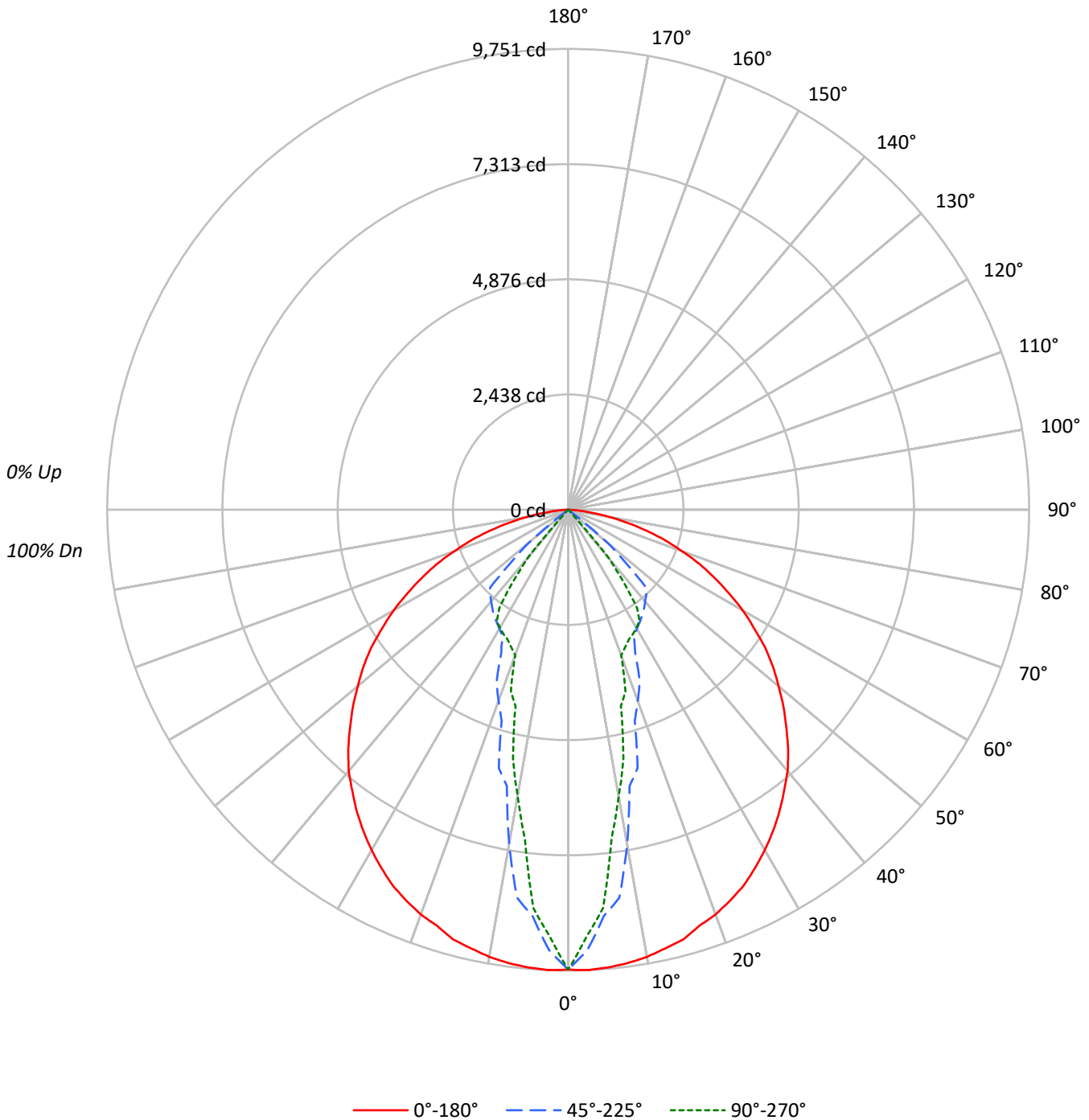
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	78400	78400	78400
5°	78475	65664	62932
10°	78300	52132	42802
15°	78063	39557	28326
20°	77532	29203	20599
25°	77271	22327	18383
30°	76455	19091	17000
35°	75541	17820	14680
40°	74611	16588	7370
45°	72814	15437	28
50°	71051	7337	0
55°	69363	242	0
60°	66342	179	0
65°	62347	75	0
70°	56980	39	0
75°	49337	42	33
80°	36474	46	35
85°	19017	50	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.1	7.8
10°-20°	1731.2	16.8
20°-30°	2065.3	20.0
30°-40°	2197.5	21.3
40°-50°	1605.6	15.5
50°-60°	1025.5	9.9
60°-70°	617.4	6.0
70°-80°	240.6	2.3
80°-90°	48.8	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°	4599.6	44.5
0°-40°	6797.1	65.8
0°-60°	9428.1	91.2
0°-90°	10335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9731	9731	9731	9731	9731	
5°	9721	9246	8632	8477	8462	924
15°	9411	8028	5660	4411	4306	2651
25°	8777	5595	3357	3057	3032	4039
35°	7793	3696	2728	2728	2538	4875
45°	6524	2393	2333	10	5	5039
55°	5085	1888	35	5	0	4527
65°	3417	769	10	5	0	3381
75°	1708	40	5	5	5	1805
85°	255	5	5	5	5	354
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9730.9	9730.9	9730.9	9730.9	9730.9
2.5°	9750.9	9686.0	9326.3	9176.4	9031.6
5°	9720.9	9246.4	8631.9	8477.1	8462.1
7.5°	9676.0	8801.8	8282.3	7393.1	7018.4
10°	9606.0	8512.1	7183.3	6434.0	6154.3
12.5°	9506.1	8082.5	5989.4	5559.8	5395.0
15°	9411.2	8027.5	5659.7	4410.9	4306.0
17.5°	9231.4	6908.6	4675.6	4146.1	4026.2
20°	9111.5	6399.0	4301.0	3596.6	3276.9
22.5°	8951.6	6099.3	3956.3	3271.9	3147.1
25°	8776.8	5594.8	3356.9	3057.1	3032.2
27.5°	8552.0	4920.4	3007.2	2977.2	2967.2
30°	8317.2	4176.1	2907.3	2897.3	2882.3
32.5°	8062.5	3881.4	2817.4	2817.4	2802.4
35°	7792.7	3696.5	2727.5	2727.5	2537.6
37.5°	7503.0	3461.8	2637.5	2637.5	1908.2
40°	7218.3	2967.2	2532.6	1758.4	1288.8
42.5°	6888.6	2562.6	2442.7	1228.9	10.0
45°	6523.9	2392.8	2332.8	10.0	5.0
47.5°	6179.2	2272.9	1588.5	5.0	0.0
50°	5809.6	2143.0	1089.0	5.0	0.0
52.5°	5459.9	2023.1	50.0	5.0	0.0
55°	5085.3	1888.2	35.0	5.0	0.0
57.5°	4660.6	1758.4	30.0	5.0	0.0
60°	4266.0	1618.5	25.0	5.0	0.0
62.5°	3831.4	1373.7	15.0	5.0	0.0
65°	3416.8	769.3	10.0	5.0	0.0
67.5°	3007.2	124.9	10.0	5.0	0.0
70°	2557.6	84.9	5.0	5.0	0.0
72.5°	2143.0	64.9	5.0	5.0	5.0
75°	1708.4	40.0	5.0	5.0	5.0
77.5°	1278.8	25.0	5.0	5.0	5.0
80°	879.2	15.0	5.0	5.0	5.0
82.5°	529.5	5.0	5.0	5.0	5.0
85°	254.8	5.0	5.0	5.0	5.0
87.5°	79.9	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)