

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: P218505

Luminaire Tested: **8TSNLED-LD5-101SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218505
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11214.0 lumens
Efficiency: N/A
Efficacy: 144.9 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

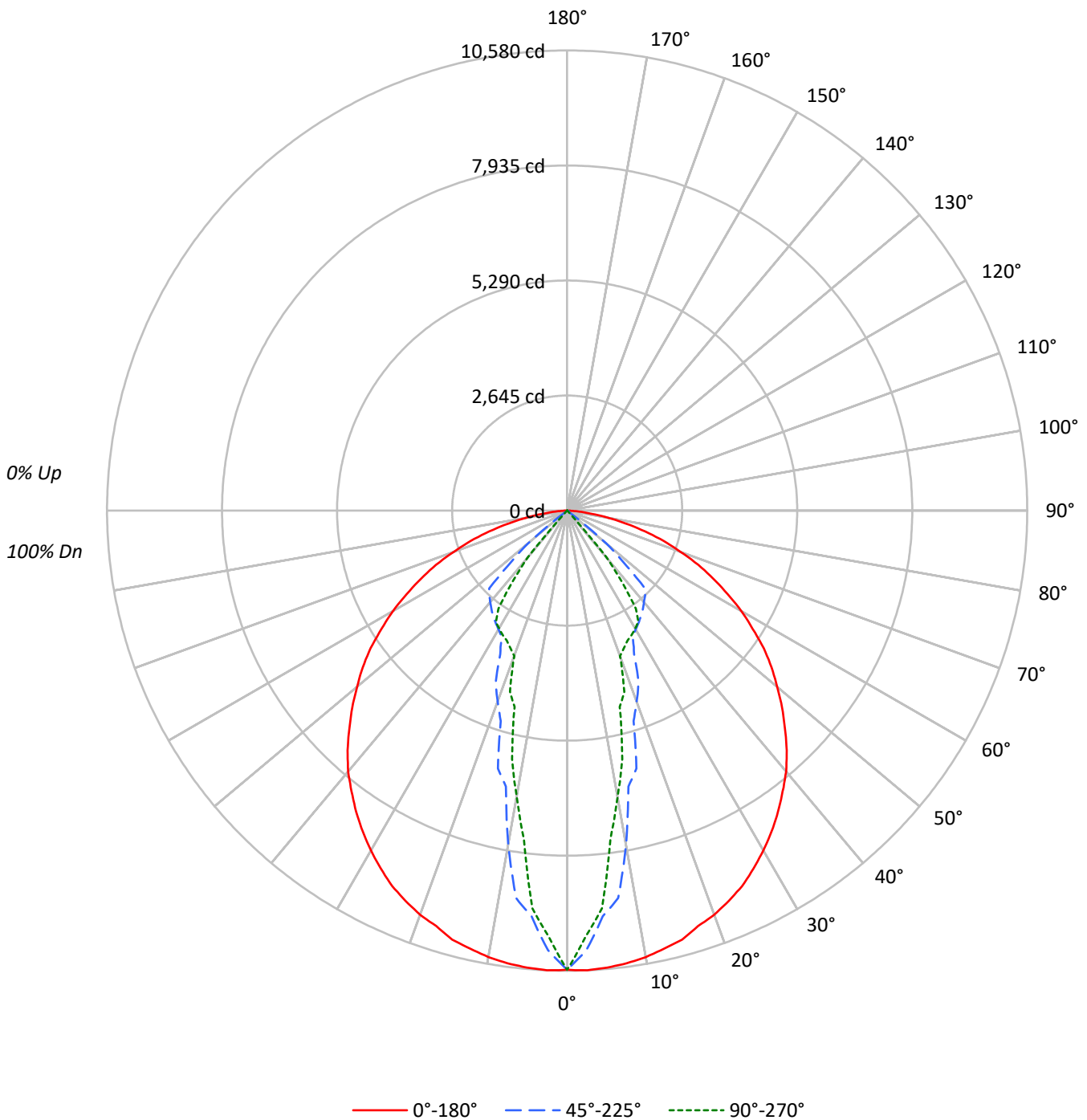
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85068	85068	85068
5°	85150	71249	68285
10°	84959	56565	46442
15°	84702	42921	30735
20°	84126	31687	22350
25°	83843	24225	19947
30°	82958	20715	18446
35°	81967	19335	15929
40°	80957	17999	7997
45°	79007	16750	31
50°	77094	7961	0
55°	75263	262	0
60°	71984	194	0
65°	67650	81	0
70°	61826	43	0
75°	53534	46	36
80°	39578	49	38
85°	20629	54	40



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.4	7.8
10°-20°	1878.4	16.8
20°-30°	2240.9	20.0
30°-40°	2384.4	21.3
40°-50°	1742.1	15.5
50°-60°	1112.7	9.9
60°-70°	669.9	6.0
70°-80°	261.1	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°	4990.8	44.5
0°-40°	7375.2	65.8
0°-60°	10230.0	91.2
0°-90°	11214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10558	10558	10558	10558	10558	
5°	10548	10033	9366	9198	9182	###
15°	10212	8710	6141	4786	4672	2876
25°	9523	6071	3642	3317	3290	4382
35°	8456	4011	2959	2959	2754	5289
45°	7079	2596	2531	11	5	5468
55°	5518	2049	38	5	0	4912
65°	3707	835	11	5	0	3668
75°	1854	43	5	5	5	1958
85°	276	5	5	5	5	385
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10558.5	10558.5	10558.5	10558.5	10558.5
2.5°	10580.2	10509.8	10119.5	9956.9	9799.7
5°	10547.7	10032.8	9366.1	9198.1	9181.8
7.5°	10498.9	9550.4	8986.7	8021.9	7615.4
10°	10423.0	9236.0	7794.2	6981.2	6677.7
12.5°	10314.6	8769.9	6498.8	6032.7	5853.8
15°	10211.6	8710.3	6141.1	4786.0	4672.2
17.5°	10016.5	7496.1	5073.3	4498.8	4368.7
20°	9886.4	6943.3	4666.8	3902.5	3555.6
22.5°	9713.0	6618.1	4292.8	3550.2	3414.7
25°	9523.3	6070.6	3642.4	3317.2	3290.1
27.5°	9279.4	5338.9	3263.0	3230.4	3219.6
30°	9024.6	4531.3	3154.6	3143.7	3127.5
32.5°	8748.2	4211.5	3057.0	3057.0	3040.7
35°	8455.5	4010.9	2959.4	2959.4	2753.5
37.5°	8141.1	3756.2	2861.9	2861.9	2070.5
40°	7832.2	3219.6	2748.0	1907.9	1398.4
42.5°	7474.4	2780.6	2650.5	1333.4	10.8
45°	7078.8	2596.3	2531.2	10.8	5.4
47.5°	6704.8	2466.2	1723.6	5.4	0.0
50°	6303.7	2325.3	1181.6	5.4	0.0
52.5°	5924.3	2195.2	54.2	5.4	0.0
55°	5517.8	2048.8	37.9	5.4	0.0
57.5°	5057.0	1907.9	32.5	5.4	0.0
60°	4628.8	1756.1	27.1	5.4	0.0
62.5°	4157.3	1490.6	16.3	5.4	0.0
65°	3707.4	834.7	10.8	5.4	0.0
67.5°	3263.0	135.5	10.8	5.4	0.0
70°	2775.1	92.1	5.4	5.4	0.0
72.5°	2325.3	70.5	5.4	5.4	5.4
75°	1853.7	43.4	5.4	5.4	5.4
77.5°	1387.6	27.1	5.4	5.4	5.4
80°	954.0	16.3	5.4	5.4	5.4
82.5°	574.5	5.4	5.4	5.4	5.4
85°	276.4	5.4	5.4	5.4	5.4
87.5°	86.7	5.4	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)