

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: P218502

Luminaire Tested: **8TSNLED-LD5-101SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218502  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9566.9 lumens  
Efficiency: N/A  
Efficacy: 123.6 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

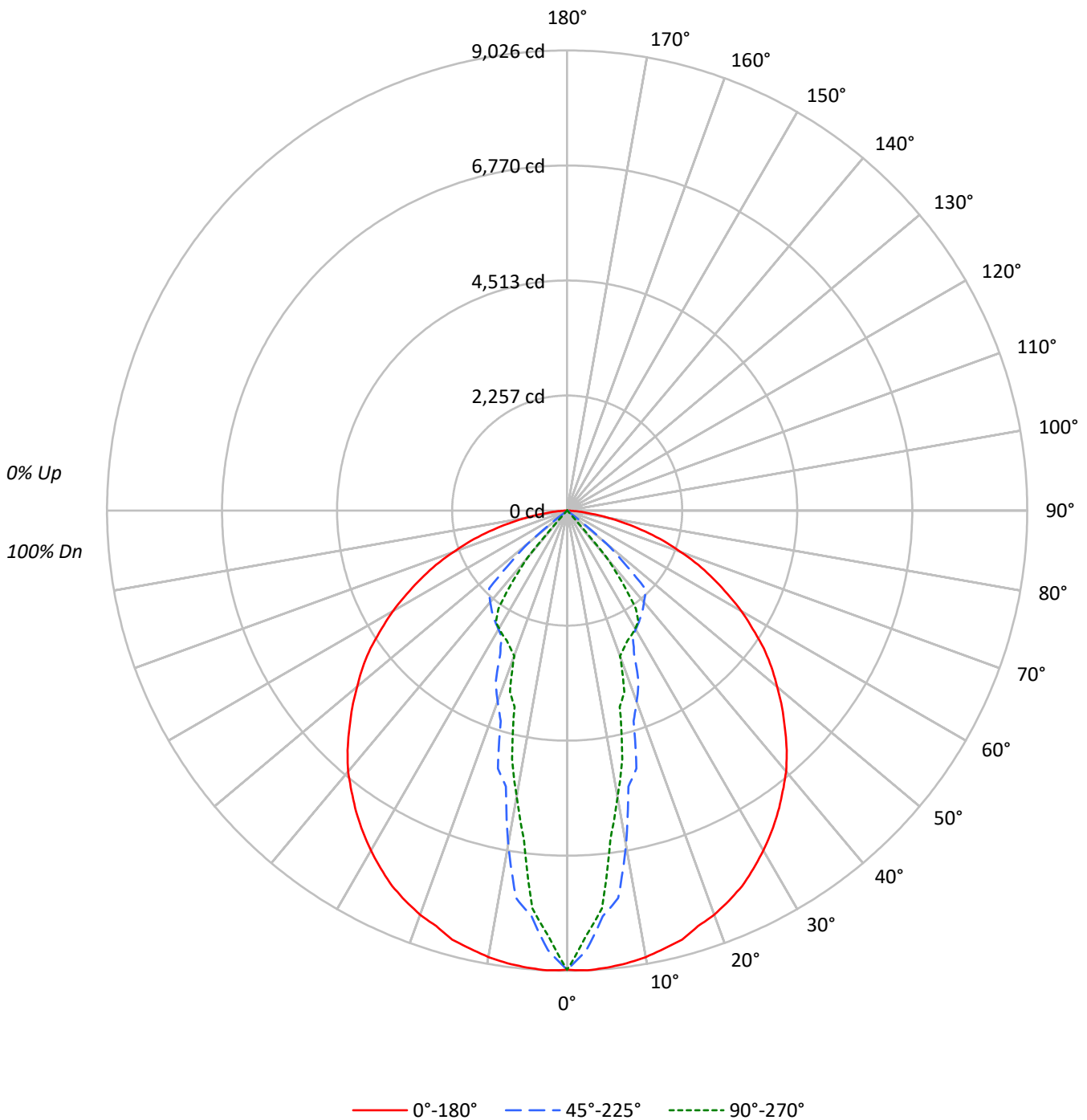
Input Watts (W): 77.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	72574	72574	72574
5°	72644	60785	58256
10°	72481	48258	39621
15°	72262	36617	26221
20°	71770	27033	19068
25°	71529	20667	17017
30°	70774	17672	15736
35°	69928	16495	13589
40°	69067	15356	6823
45°	67403	14290	26
50°	65771	6792	0
55°	64209	224	0
60°	61412	165	0
65°	57714	69	0
70°	52747	36	0
75°	45673	39	30
80°	33761	42	32
85°	17599	46	34



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.4	7.8
10°-20°	1602.5	16.8
20°-30°	1911.8	20.0
30°-40°	2034.2	21.3
40°-50°	1486.2	15.5
50°-60°	949.3	9.9
60°-70°	571.5	6.0
70°-80°	222.7	2.3
80°-90°	45.2	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°	4257.8	44.5
0°-40°	6292.0	65.8
0°-60°	8727.5	91.2
0°-90°	9566.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9566.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9008	9008	9008	9008	9008	
5°	8999	8559	7990	7847	7833	856
15°	8712	7431	5239	4083	3986	2454
25°	8125	5179	3107	2830	2807	3739
35°	7214	3422	2525	2525	2349	4513
45°	6039	2215	2160	9	5	4665
55°	4707	1748	32	5	0	4191
65°	3163	712	9	5	0	3130
75°	1582	37	5	5	5	1671
85°	236	5	5	5	5	328
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9007.8	9007.8	9007.8	9007.8	9007.8
2.5°	9026.3	8966.2	8633.3	8494.5	8360.4
5°	8998.6	8559.3	7990.5	7847.2	7833.3
7.5°	8956.9	8147.7	7666.8	6843.7	6496.9
10°	8892.2	7879.5	6649.5	5955.9	5696.9
12.5°	8799.7	7481.8	5544.3	5146.7	4994.1
15°	8711.9	7431.0	5239.1	4083.1	3986.0
17.5°	8545.4	6395.2	4328.2	3838.0	3727.0
20°	8434.4	5923.5	3981.4	3329.4	3033.4
22.5°	8286.4	5646.1	3662.3	3028.8	2913.2
25°	8124.6	5179.0	3107.4	2830.0	2806.8
27.5°	7916.5	4554.8	2783.7	2756.0	2746.7
30°	7699.2	3865.8	2691.2	2682.0	2668.1
32.5°	7463.3	3592.9	2608.0	2608.0	2594.1
35°	7213.6	3421.9	2524.8	2524.8	2349.1
37.5°	6945.4	3204.5	2441.5	2441.5	1766.4
40°	6681.9	2746.7	2344.4	1627.7	1193.0
42.5°	6376.7	2372.2	2261.2	1137.5	9.2
45°	6039.1	2215.0	2159.5	9.2	4.6
47.5°	5720.1	2104.0	1470.5	4.6	0.0
50°	5377.9	1983.8	1008.1	4.6	0.0
52.5°	5054.2	1872.8	46.2	4.6	0.0
55°	4707.4	1747.9	32.4	4.6	0.0
57.5°	4314.3	1627.7	27.7	4.6	0.0
60°	3949.0	1498.2	23.1	4.6	0.0
62.5°	3546.7	1271.6	13.9	4.6	0.0
65°	3162.9	712.1	9.2	4.6	0.0
67.5°	2783.7	115.6	9.2	4.6	0.0
70°	2367.6	78.6	4.6	4.6	0.0
72.5°	1983.8	60.1	4.6	4.6	4.6
75°	1581.5	37.0	4.6	4.6	4.6
77.5°	1183.8	23.1	4.6	4.6	4.6
80°	813.8	13.9	4.6	4.6	4.6
82.5°	490.2	4.6	4.6	4.6	4.6
85°	235.8	4.6	4.6	4.6	4.6
87.5°	74.0	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)