

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: P218546

Luminaire Tested: **8TSNLED-LD5-101SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218546  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-101SL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11104.0 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

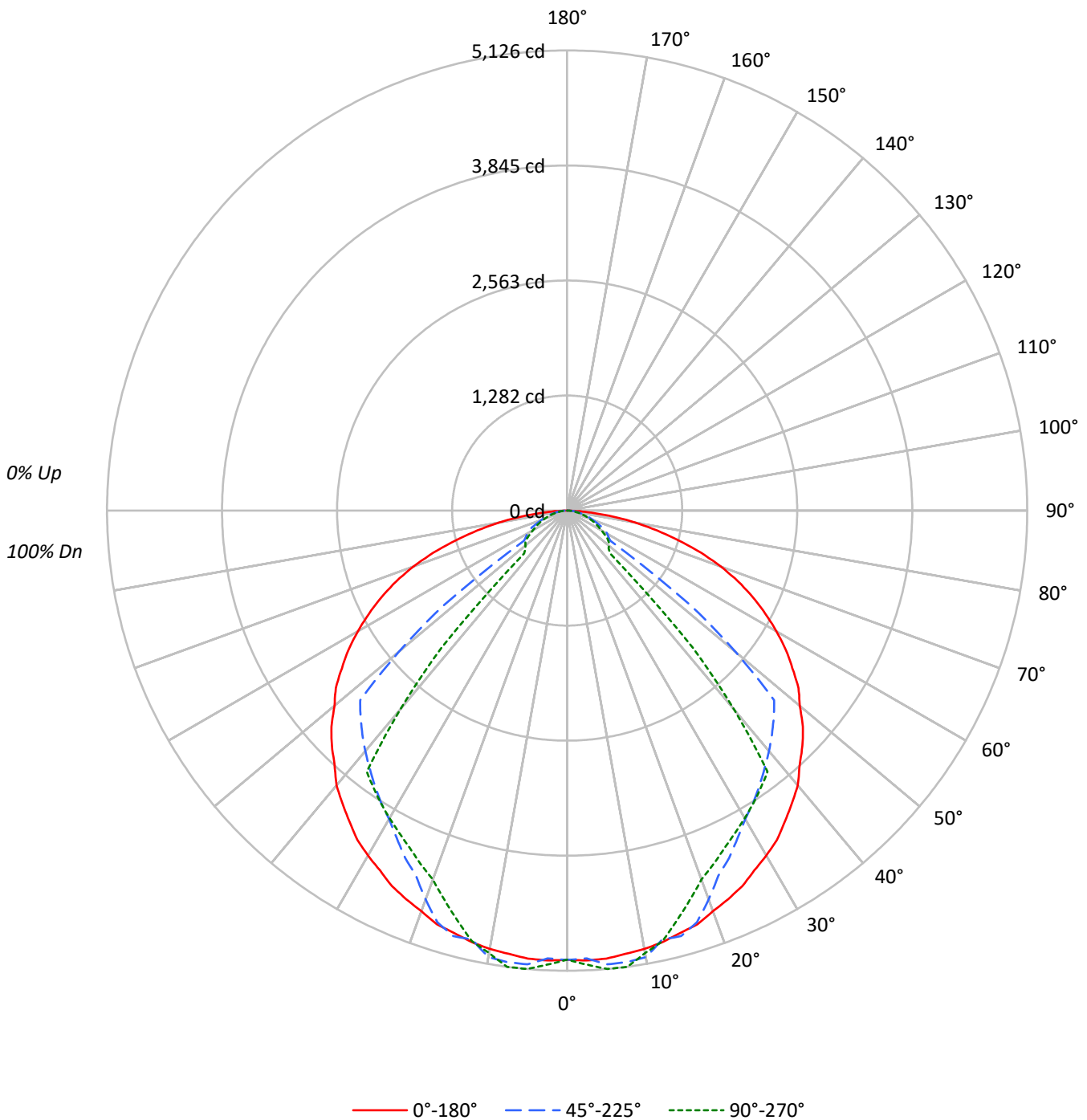
Input Watts (W): 85.64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	40317	40317	40317
5°	40444	38596	38120
10°	40412	36653	34802
15°	40402	34287	31090
20°	40413	31304	27487
25°	40640	28390	25141
30°	40782	26052	23331
35°	40986	24406	21778
40°	41307	22914	16594
45°	41372	21539	3860
50°	41367	16507	3478
55°	41792	4046	3183
60°	41883	3691	2596
65°	41640	3120	2142
70°	40516	2424	1675
75°	37133	1806	1219
80°	31716	1213	765
85°	20315	694	344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	483.0	4.4
10°-20°	1369.4	12.3
20°-30°	2016.9	18.2
30°-40°	2427.6	21.9
40°-50°	2079.2	18.7
50°-60°	1345.4	12.1
60°-70°	894.3	8.1
70°-80°	381.5	3.4
80°-90°	106.7	1.0
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°	3869.4	34.8
0°-40°	6297.0	56.7
0°-60°	9721.6	87.5
0°-90°	11104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11104.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5004	5004	5004	5004	5004	
5°	5010	5027	5074	5132	5126	476
15°	4871	5004	4906	4801	4726	1377
25°	4616	4645	4269	4176	4147	2126
35°	4228	4066	3736	3765	3765	2650
45°	3707	3296	3255	1987	678	2858
55°	3064	2600	585	556	550	2740
65°	2282	1639	417	359	353	2250
75°	1286	301	214	191	185	1362
85°	272	81	70	52	46	348
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5004.1	5004.1	5004.1	5004.1	5004.1
2.5°	5015.7	4998.3	4992.5	5056.2	5062.0
5°	5009.9	5027.3	5073.6	5131.5	5125.7
7.5°	4981.0	5038.9	5073.6	5160.5	5125.7
10°	4957.8	5062.0	5050.5	5056.2	5004.1
12.5°	4923.0	5021.5	4894.1	4981.0	4911.5
15°	4870.9	5004.1	4905.7	4801.4	4726.1
17.5°	4830.4	4969.4	4807.2	4558.2	4546.6
20°	4749.3	4824.6	4610.3	4430.7	4372.8
22.5°	4685.6	4772.4	4401.8	4280.1	4262.8
25°	4616.1	4645.0	4268.6	4175.9	4146.9
27.5°	4517.6	4575.5	4112.2	4065.8	4048.5
30°	4436.5	4436.5	3967.4	3967.4	3955.8
32.5°	4349.6	4251.2	3857.3	3863.1	3863.1
35°	4228.0	4065.8	3735.7	3764.7	3764.7
37.5°	4112.2	3840.0	3614.1	3660.4	3666.2
40°	3996.3	3666.2	3498.3	3550.4	2901.7
42.5°	3834.2	3475.1	3376.6	2733.7	2067.7
45°	3706.8	3295.5	3255.0	1986.6	677.6
47.5°	3562.0	3121.8	3127.6	631.3	625.5
50°	3382.4	2942.2	2449.9	596.6	608.1
52.5°	3249.2	2780.1	1726.0	579.2	585.0
55°	3063.9	2600.5	585.0	556.0	550.2
57.5°	2890.1	2432.6	544.4	515.5	492.3
60°	2693.2	2253.0	515.5	457.6	440.2
62.5°	2490.5	2073.5	474.9	405.4	393.8
65°	2282.0	1639.1	417.0	359.1	353.3
67.5°	2061.9	1077.3	353.3	318.5	312.8
70°	1818.6	422.8	307.0	278.0	266.4
72.5°	1563.8	364.9	260.6	237.5	225.9
75°	1285.8	301.2	214.3	191.1	185.3
77.5°	1025.1	225.9	173.8	150.6	144.8
80°	764.5	168.0	133.2	115.8	110.0
82.5°	521.3	121.6	98.5	81.1	75.3
85°	272.2	81.1	69.5	52.1	46.3
87.5°	104.3	52.1	40.5	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)