

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: P218545

Luminaire Tested: **8TSNLED-LD5-101SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218545  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10887.0 lumens  
Efficiency: N/A  
Efficacy: 127.1 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

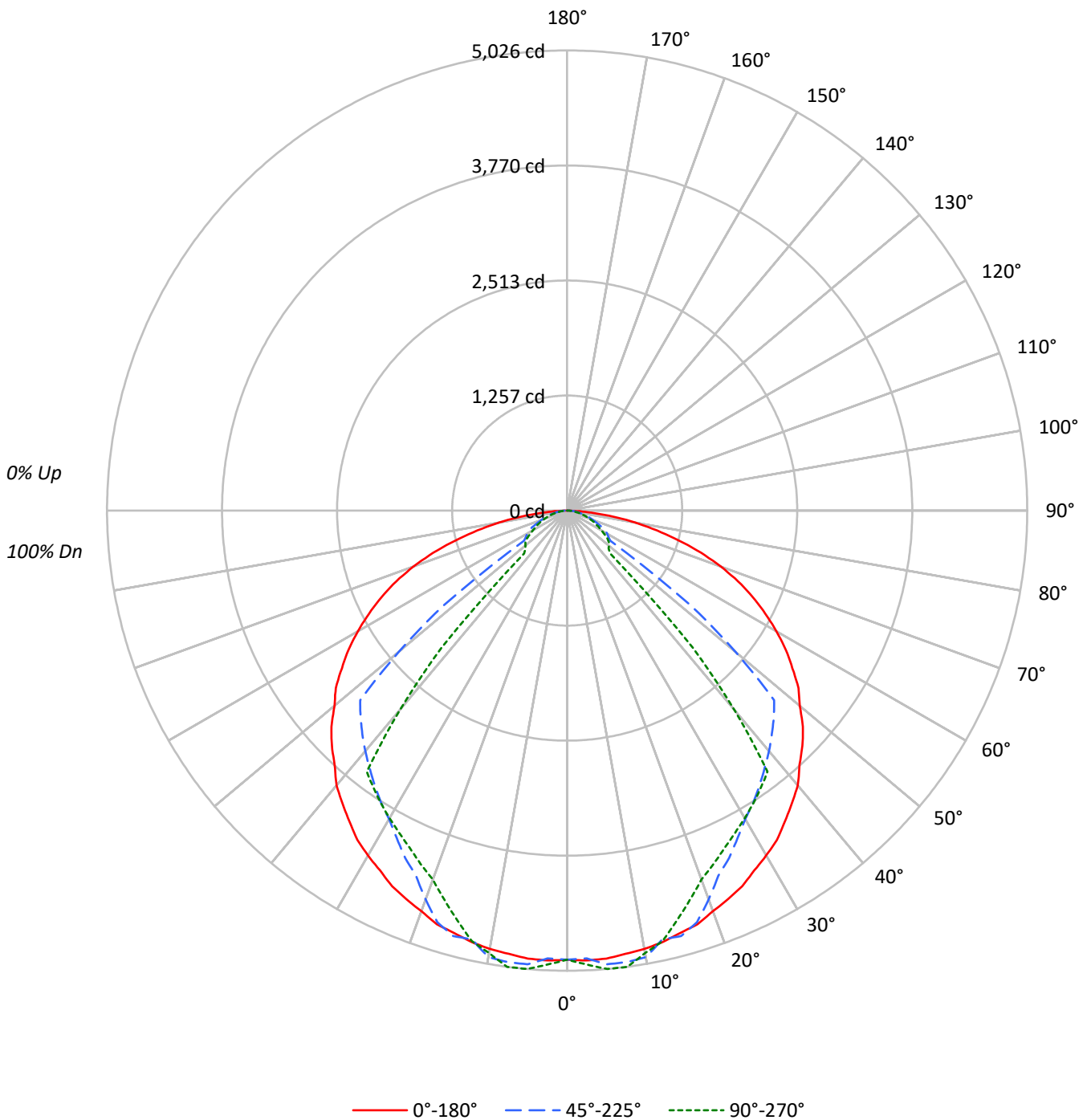
Input Watts (W): 85.64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	39529	39529	39529
5°	39654	37842	37375
10°	39622	35937	34122
15°	39613	33616	30483
20°	39623	30692	26951
25°	39846	27835	24650
30°	39985	25543	22875
35°	40185	23929	21353
40°	40500	22466	16270
45°	40563	21118	3785
50°	40558	16185	3410
55°	40975	3967	3121
60°	41065	3619	2546
65°	40826	3059	2100
70°	39725	2377	1642
75°	36408	1770	1195
80°	31098	1190	750
85°	19920	680	338



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.6	4.4
10°-20°	1342.7	12.3
20°-30°	1977.5	18.2
30°-40°	2380.2	21.9
40°-50°	2038.6	18.7
50°-60°	1319.1	12.1
60°-70°	876.8	8.1
70°-80°	374.0	3.4
80°-90°	104.6	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°	3793.8	34.8
0°-40°	6173.9	56.7
0°-60°	9531.6	87.5
0°-90°	10887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10887.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4906	4906	4906	4906	4906	
5°	4912	4929	4974	5031	5026	467
15°	4776	4906	4810	4708	4634	1351
25°	4526	4554	4185	4094	4066	2085
35°	4145	3986	3663	3691	3691	2598
45°	3634	3231	3191	1948	664	2802
55°	3004	2550	574	545	540	2686
65°	2237	1607	409	352	346	2206
75°	1261	295	210	187	182	1336
85°	267	80	68	51	45	341
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4906.3	4906.3	4906.3	4906.3	4906.3
2.5°	4917.7	4900.6	4895.0	4957.4	4963.1
5°	4912.0	4929.0	4974.5	5031.3	5025.6
7.5°	4883.6	4940.4	4974.5	5059.6	5025.6
10°	4860.9	4963.1	4951.8	4957.4	4906.3
12.5°	4826.8	4923.4	4798.4	4883.6	4815.5
15°	4775.7	4906.3	4809.8	4707.6	4633.8
17.5°	4736.0	4872.3	4713.3	4469.1	4457.7
20°	4656.5	4730.3	4520.2	4344.1	4287.4
22.5°	4594.0	4679.2	4315.7	4196.5	4179.5
25°	4525.9	4554.3	4185.1	4094.3	4065.9
27.5°	4429.3	4486.1	4031.8	3986.4	3969.4
30°	4349.8	4349.8	3889.9	3889.9	3878.5
32.5°	4264.6	4168.1	3782.0	3787.6	3787.6
35°	4145.4	3986.4	3662.7	3691.1	3691.1
37.5°	4031.8	3764.9	3543.5	3588.9	3594.6
40°	3918.2	3594.6	3429.9	3481.0	2845.0
42.5°	3759.2	3407.2	3310.6	2680.3	2027.3
45°	3634.3	3231.1	3191.4	1947.8	664.4
47.5°	3492.4	3060.8	3066.5	619.0	613.3
50°	3316.3	2884.7	2402.1	584.9	596.3
52.5°	3185.7	2725.7	1692.2	567.9	573.5
55°	3004.0	2549.7	573.5	545.1	539.5
57.5°	2833.6	2385.0	533.8	505.4	482.7
60°	2640.6	2209.0	505.4	448.6	431.6
62.5°	2441.8	2032.9	465.6	397.5	386.1
65°	2237.4	1607.0	408.9	352.1	346.4
67.5°	2021.6	1056.2	346.4	312.3	306.6
70°	1783.1	414.5	301.0	272.6	261.2
72.5°	1533.2	357.8	255.5	232.8	221.5
75°	1260.7	295.3	210.1	187.4	181.7
77.5°	1005.1	221.5	170.4	147.6	142.0
80°	749.6	164.7	130.6	113.6	107.9
82.5°	511.1	119.3	96.5	79.5	73.8
85°	266.9	79.5	68.1	51.1	45.4
87.5°	102.2	51.1	39.8	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)