

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: P218265

Luminaire Tested: **8TSNLED-LD5-98SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-98SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10177.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

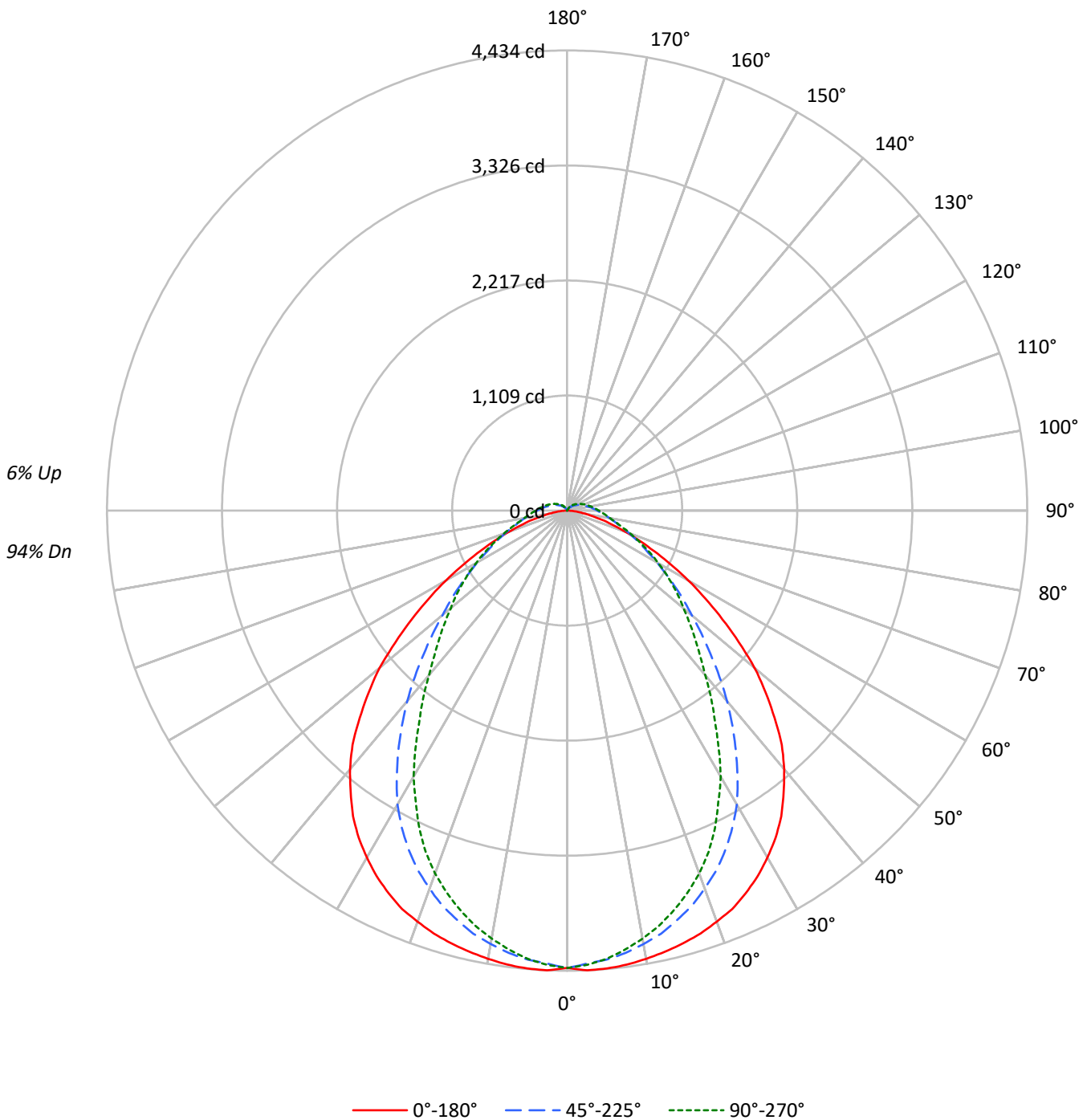
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35510	35510	35510
5°	35754	33039	32259
10°	35751	30780	29124
15°	35802	28556	26207
20°	35861	26322	23391
25°	35829	24000	20447
30°	35487	21477	17456
35°	34877	18531	14361
40°	33641	15698	11836
45°	31538	12915	9928
50°	28853	10549	8371
55°	24939	8715	7134
60°	21013	7141	5977
65°	16828	5937	4941
70°	13260	4996	4078
75°	10220	4247	3386
80°	7339	3761	2908
85°	4799	3429	2632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	4.1
10°-20°	1162.9	11.4
20°-30°	1684.0	16.5
30°-40°	1832.8	18.0
40°-50°	1627.7	16.0
50°-60°	1239.0	12.2
60°-70°	822.6	8.1
70°-80°	501.3	4.9
80°-90°	310.6	3.1
90°-100°	212.1	2.1
100°-110°	148.9	1.5
110°-120°	101.4	1.0
120°-130°	64.3	0.6
130°-140°	36.6	0.4
140°-150°	17.2	0.2
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3261.2	32.0
0°-40°	5094.0	50.1
0°-60°	7960.8	78.2
0°-90°	9595.3	94.3
90°-120°	462.4	4.5
90°-150°	580.5	5.7
90°-180°	582.0	5.7
0°-180°	10177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4407	4407	4407	4407	4407	
5°	4429	4402	4343	4364	4338	421
15°	4316	4241	4086	4037	3984	1220
25°	4070	3887	3608	3464	3373	1874
35°	3598	3276	2836	2590	2482	2241
45°	2826	2402	1952	1786	1743	2176
55°	1828	1485	1260	1239	1233	1640
65°	922	794	794	826	815	930
75°	354	402	504	531	515	383
85°	64	204	343	365	354	77
90°	0	150	290	316	306	4
95°	0	118	247	274	268	0
105°	0	75	177	204	204	0
115°	0	48	129	156	150	0
125°	0	32	86	107	107	0
135°	0	21	59	75	75	0
145°	0	11	32	43	43	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4407.4	4407.4	4407.4	4407.4	4407.4
2.5°	4434.2	4412.8	4369.9	4396.7	4380.6
5°	4428.9	4402.0	4343.1	4364.5	4337.7
7.5°	4412.8	4380.6	4300.2	4310.9	4268.0
10°	4386.0	4343.1	4241.2	4230.5	4187.6
12.5°	4353.8	4300.2	4176.9	4139.3	4096.4
15°	4316.3	4241.2	4085.7	4037.4	3983.8
17.5°	4273.4	4171.5	3994.6	3919.5	3860.5
20°	4214.4	4091.1	3876.6	3785.4	3721.1
22.5°	4155.4	3994.6	3753.3	3629.9	3560.2
25°	4069.6	3887.3	3608.5	3463.7	3372.6
27.5°	3973.1	3764.0	3447.6	3260.0	3158.1
30°	3860.5	3619.2	3270.7	3050.9	2959.7
32.5°	3737.2	3458.4	3056.2	2820.3	2718.4
35°	3597.8	3276.1	2836.4	2589.8	2482.5
37.5°	3426.2	3077.7	2616.6	2364.6	2278.8
40°	3254.6	2868.6	2396.7	2160.8	2069.7
42.5°	3061.6	2638.0	2171.5	1957.1	1892.7
45°	2825.7	2402.1	1951.7	1785.5	1742.6
47.5°	2595.1	2160.8	1753.3	1635.4	1597.8
50°	2359.2	1924.9	1565.6	1490.6	1463.8
52.5°	2085.7	1694.3	1410.2	1361.9	1351.2
55°	1828.4	1485.2	1260.0	1238.6	1233.2
57.5°	1581.7	1286.8	1120.6	1136.7	1126.0
60°	1351.2	1104.5	997.3	1018.7	1013.4
62.5°	1126.0	938.3	884.7	927.6	916.9
65°	922.2	793.5	793.5	825.7	815.0
67.5°	745.3	675.6	707.8	739.9	729.2
70°	595.2	568.4	632.7	659.5	648.8
72.5°	461.1	477.2	557.6	589.8	573.7
75°	353.9	402.1	504.0	530.8	514.7
77.5°	252.0	337.8	455.8	477.2	461.1
80°	176.9	284.2	412.9	434.3	418.2
82.5°	112.6	241.3	375.3	396.8	386.1
85°	64.3	203.7	343.2	364.6	353.9
87.5°	32.2	176.9	311.0	337.8	327.1
90°	0.0	150.1	289.5	316.3	305.6
92.5°	0.0	134.0	268.1	294.9	284.2
95°	0.0	118.0	246.6	273.5	268.1
97.5°	0.0	107.2	230.6	257.4	246.6
100°	0.0	91.2	209.1	235.9	230.6
102.5°	0.0	85.8	193.0	219.8	214.5
105°	0.0	75.1	176.9	203.7	203.7
107.5°	0.0	69.7	166.2	193.0	187.7
110°	0.0	59.0	150.1	176.9	176.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.6	139.4	166.2	160.9
115°	0.0	48.3	128.7	155.5	150.1
117.5°	0.0	48.3	118.0	139.4	139.4
120°	0.0	42.9	107.2	128.7	128.7
122.5°	0.0	37.5	96.5	118.0	118.0
125°	0.0	32.2	85.8	107.2	107.2
127.5°	0.0	32.2	80.4	101.9	101.9
130°	0.0	26.8	69.7	91.2	91.2
132.5°	0.0	21.4	64.3	80.4	80.4
135°	0.0	21.4	59.0	75.1	75.1
137.5°	0.0	16.1	48.3	64.3	64.3
140°	0.0	16.1	42.9	59.0	59.0
142.5°	0.0	10.7	37.5	53.6	48.3
145°	0.0	10.7	32.2	42.9	42.9
147.5°	0.0	5.4	26.8	37.5	37.5
150°	0.0	5.4	21.4	32.2	26.8
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)