

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: P218145

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-98SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10483.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

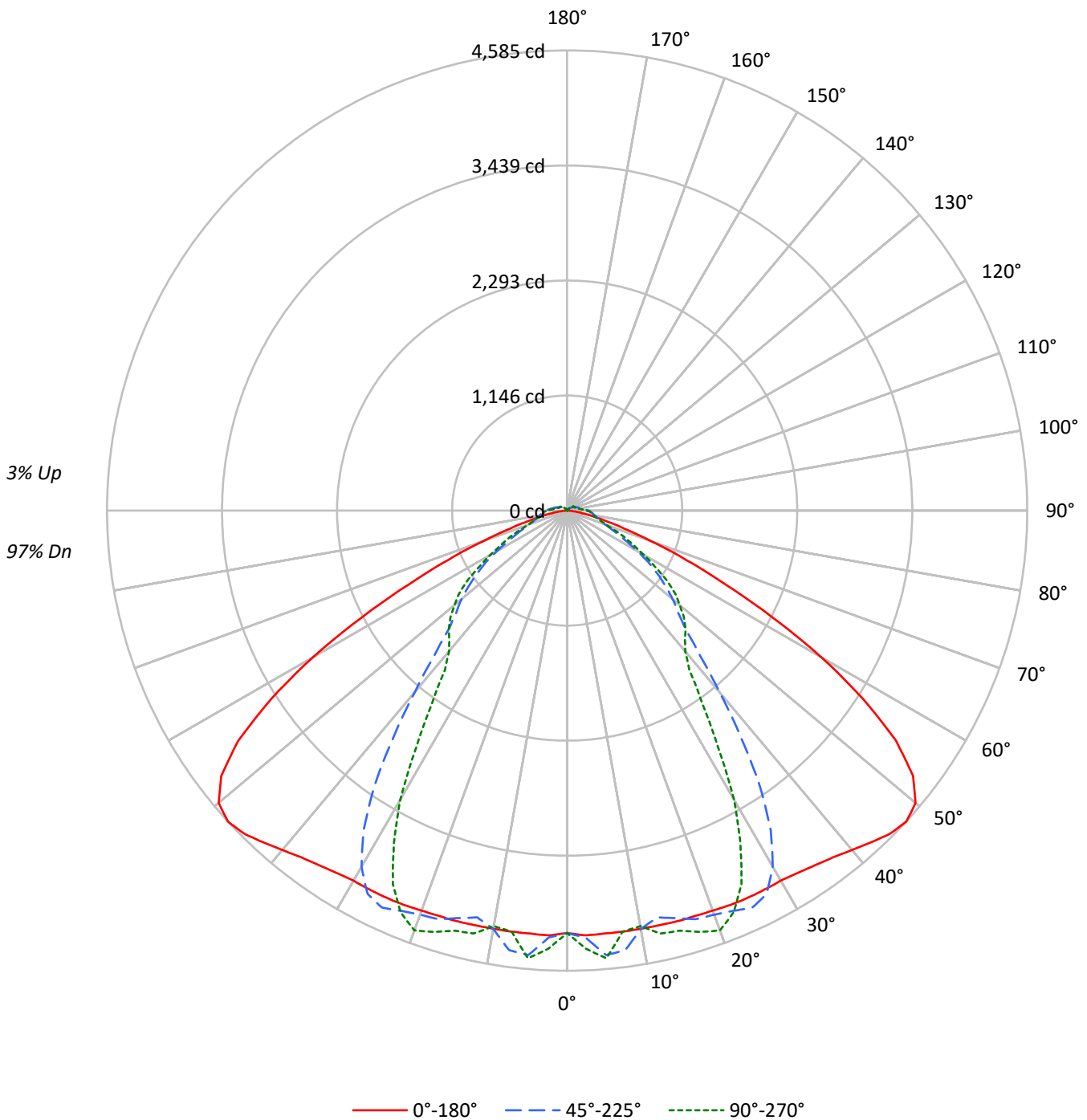
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33915	33915	33915
5°	34156	33818	33300
10°	34487	30706	29239
15°	35139	29383	28503
20°	36094	29092	27978
25°	37486	29031	24903
30°	39140	26902	19609
35°	41794	21862	13587
40°	45618	15455	10457
45°	50813	11001	9501
50°	55418	9250	8372
55°	54565	7603	6980
60°	45533	5760	5219
65°	31703	4173	3836
70°	19951	3176	2629
75°	11459	2711	2081
80°	6675	2539	1790
85°	3202	2465	1795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	3.9
10°-20°	1218.7	11.6
20°-30°	1936.5	18.5
30°-40°	2087.9	19.9
40°-50°	1799.6	17.2
50°-60°	1362.4	13.0
60°-70°	736.0	7.0
70°-80°	349.5	3.3
80°-90°	219.5	2.1
90°-100°	139.7	1.3
100°-110°	89.4	0.9
110°-120°	59.8	0.6
120°-130°	39.5	0.4
130°-140°	19.3	0.2
140°-150°	8.2	0.1
150°-160°	3.0	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3568.9	34.0
0°-40°	5656.8	54.0
0°-60°	8818.9	84.1
0°-90°	10123.9	96.6
90°-120°	288.8	2.8
90°-150°	355.9	3.4
90°-180°	359.0	3.4
0°-180°	10483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4210	4210	4210	4210	4210	
5°	4231	4322	4446	4504	4478	404
15°	4236	4349	4204	4349	4333	1201
25°	4258	4177	4365	4247	4108	1969
35°	4311	4150	3346	2558	2349	2716
45°	4553	2853	1662	1646	1668	3505
55°	4000	1233	1099	1201	1206	3479
65°	1737	526	558	627	633	1784
75°	397	274	322	322	316	467
85°	43	166	247	247	241	62
90°	0	129	214	209	193	2
95°	0	102	172	156	145	0
105°	0	64	118	107	96	0
115°	0	38	80	80	80	0
125°	0	21	54	70	64	0
135°	0	11	32	38	38	0
145°	0	5	16	21	16	0
155°	0	5	5	11	5	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°	4209.5	4209.5	4209.5	4209.5	4209.5
2.5°	4236.3	4241.7	4257.8	4338.2	4370.4
5°	4231.0	4322.1	4445.5	4504.4	4477.6
7.5°	4231.0	4418.6	4418.6	4306.0	4231.0
10°	4231.0	4472.3	4231.0	4209.5	4204.1
12.5°	4231.0	4440.1	4150.5	4300.7	4316.8
15°	4236.3	4348.9	4204.1	4348.9	4332.8
17.5°	4236.3	4241.7	4268.5	4381.1	4402.6
20°	4241.7	4172.0	4284.6	4466.9	4450.8
22.5°	4252.4	4161.2	4316.8	4429.4	4332.8
25°	4257.8	4177.3	4365.0	4247.0	4107.6
27.5°	4257.8	4198.8	4306.0	3968.2	3737.6
30°	4257.8	4209.5	4096.9	3582.1	3324.7
32.5°	4279.2	4198.8	3775.2	3078.0	2799.2
35°	4311.4	4150.5	3346.2	2557.9	2348.7
37.5°	4354.3	4021.8	2842.1	2139.6	2000.2
40°	4413.3	3743.0	2359.5	1871.5	1828.6
42.5°	4483.0	3335.4	1962.6	1737.4	1737.4
45°	4552.7	2852.8	1662.4	1646.3	1667.7
47.5°	4584.9	2380.9	1496.1	1555.1	1576.6
50°	4531.3	1941.2	1372.8	1453.2	1463.9
52.5°	4343.6	1549.7	1233.4	1329.9	1356.7
55°	4000.4	1233.4	1099.3	1201.2	1206.5
57.5°	3501.7	981.3	959.9	1040.3	1034.9
60°	2927.9	793.6	804.4	884.8	884.8
62.5°	2311.2	643.5	675.7	745.4	740.0
65°	1737.4	525.5	557.7	627.4	632.8
67.5°	1281.6	434.4	471.9	520.2	509.4
70°	895.5	364.6	402.2	429.0	418.3
72.5°	595.2	311.0	353.9	364.6	359.3
75°	396.8	273.5	321.7	321.7	316.4
77.5°	257.4	241.3	300.3	294.9	284.2
80°	160.9	214.5	278.8	268.1	257.4
82.5°	96.5	187.7	262.8	252.0	241.3
85°	42.9	166.2	246.7	246.7	241.3
87.5°	16.1	150.1	230.6	235.9	225.2
90°	0.0	128.7	214.5	209.1	193.0
92.5°	0.0	118.0	193.0	177.0	166.2
95°	0.0	101.9	171.6	155.5	144.8
97.5°	0.0	91.2	155.5	139.4	128.7
100°	0.0	80.4	139.4	123.3	112.6
102.5°	0.0	69.7	128.7	112.6	107.2
105°	0.0	64.3	118.0	107.2	96.5
107.5°	0.0	59.0	107.2	96.5	91.2
110°	0.0	48.3	96.5	91.2	85.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.9	85.8	85.8	85.8
115°	0.0	37.5	80.4	80.4	80.4
117.5°	0.0	32.2	69.7	80.4	80.4
120°	0.0	32.2	64.3	75.1	75.1
122.5°	0.0	26.8	59.0	75.1	75.1
125°	0.0	21.4	53.6	69.7	64.3
127.5°	0.0	16.1	48.3	59.0	59.0
130°	0.0	16.1	42.9	53.6	48.3
132.5°	0.0	10.7	37.5	42.9	42.9
135°	0.0	10.7	32.2	37.5	37.5
137.5°	0.0	10.7	26.8	32.2	26.8
140°	0.0	5.4	21.4	26.8	21.4
142.5°	0.0	5.4	21.4	26.8	21.4
145°	0.0	5.4	16.1	21.4	16.1
147.5°	0.0	5.4	10.7	16.1	16.1
150°	0.0	5.4	10.7	16.1	10.7
152.5°	0.0	5.4	10.7	10.7	5.4
155°	0.0	5.4	5.4	10.7	5.4
157.5°	0.0	5.4	5.4	5.4	5.4
160°	5.4	5.4	5.4	5.4	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)