

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: P218146

Luminaire Tested: **8TSNLED-LD5-98SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218146
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11339.9 lumens
Efficiency: N/A
Efficacy: 146.5 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

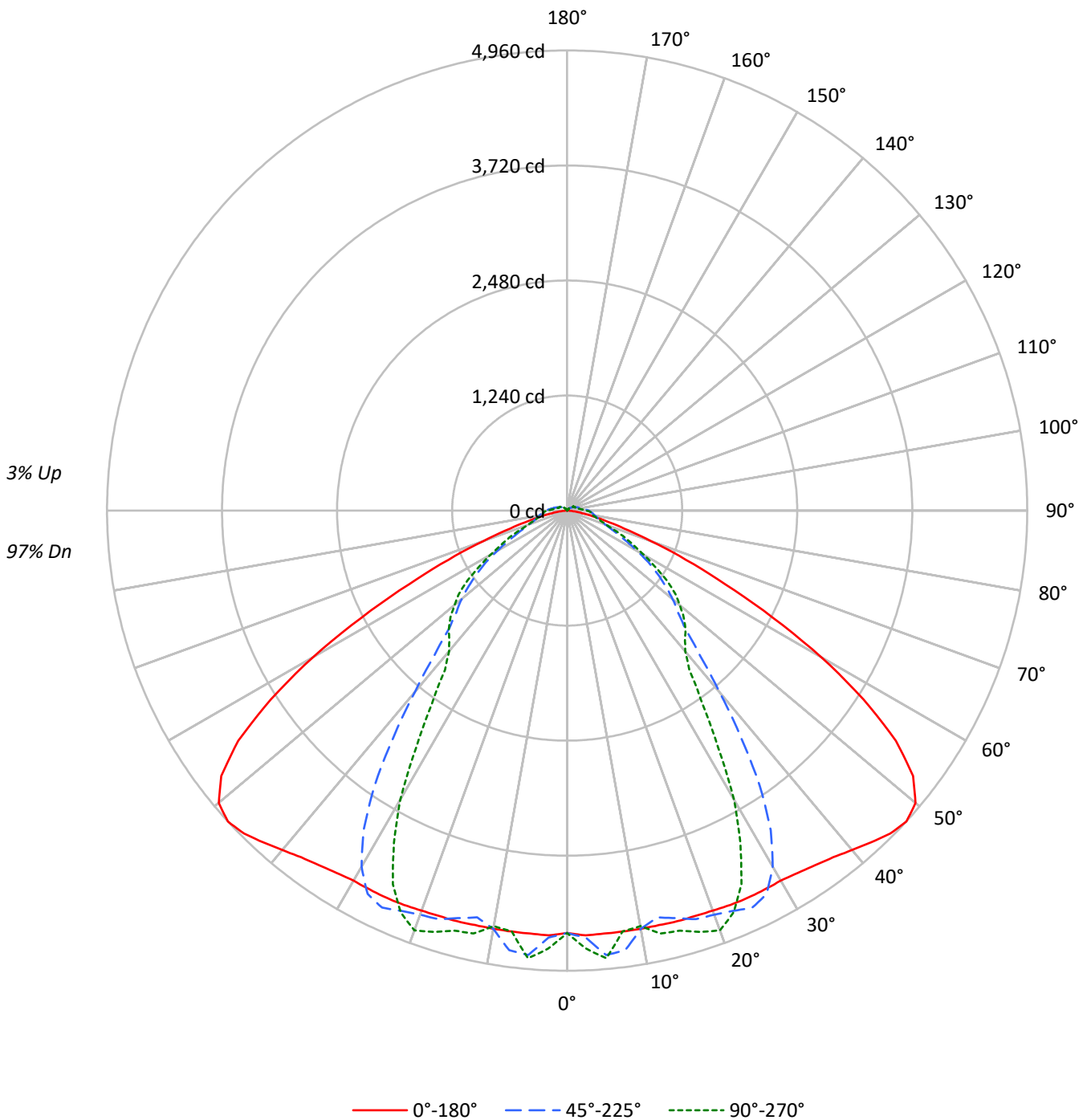
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36688	36688	36688
5°	36948	36582	36022
10°	37306	33215	31629
15°	38011	31785	30833
20°	39044	31471	30265
25°	40550	31405	26939
30°	42338	29101	21212
35°	45211	23648	14698
40°	49347	16718	11312
45°	54967	11900	10278
50°	59947	10006	9056
55°	59026	8225	7550
60°	49254	6230	5645
65°	34296	4514	4150
70°	21581	3436	2844
75°	12398	2933	2251
80°	7219	2747	1936
85°	3463	2666	1941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.6	3.9
10°-20°	1318.3	11.6
20°-30°	2094.8	18.5
30°-40°	2258.6	19.9
40°-50°	1946.7	17.2
50°-60°	1473.8	13.0
60°-70°	796.2	7.0
70°-80°	378.1	3.3
80°-90°	237.4	2.1
90°-100°	151.1	1.3
100°-110°	96.7	0.9
110°-120°	64.7	0.6
120°-130°	42.7	0.4
130°-140°	20.9	0.2
140°-150°	8.9	0.1
150°-160°	3.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3860.6	34.0
0°-40°	6119.3	54.0
0°-60°	9539.8	84.1
0°-90°	10951.5	96.6
90°-120°	312.4	2.8
90°-150°	384.9	3.4
90°-180°	388.0	3.4
0°-180°	11339.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4554	4554	4554	4554	4554	
5°	4577	4676	4809	4873	4844	437
15°	4583	4704	4548	4704	4687	1299
25°	4606	4519	4722	4594	4443	2130
35°	4664	4490	3620	2767	2541	2938
45°	4925	3086	1798	1781	1804	3791
55°	4327	1334	1189	1299	1305	3764
65°	1880	568	603	679	684	1930
75°	429	296	348	348	342	506
85°	46	180	267	267	261	67
90°	0	139	232	226	209	2
95°	0	110	186	168	157	0
105°	0	70	128	116	104	0
115°	0	41	87	87	87	0
125°	0	23	58	75	70	0
135°	0	12	35	41	41	0
145°	0	6	17	23	17	0
155°	0	6	6	12	6	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°	4553.6	4553.6	4553.6	4553.6	4553.6
2.5°	4582.6	4588.4	4605.8	4692.9	4727.7
5°	4576.8	4675.5	4808.9	4872.7	4843.7
7.5°	4576.8	4779.9	4779.9	4658.1	4576.8
10°	4576.8	4837.9	4576.8	4553.6	4547.8
12.5°	4576.8	4803.1	4489.8	4652.3	4669.7
15°	4582.6	4704.5	4547.8	4704.5	4687.1
17.5°	4582.6	4588.4	4617.4	4739.3	4762.5
20°	4588.4	4513.0	4634.9	4832.1	4814.7
22.5°	4600.0	4501.4	4669.7	4791.5	4687.1
25°	4605.8	4518.8	4721.9	4594.2	4443.4
27.5°	4605.8	4542.0	4658.1	4292.6	4043.2
30°	4605.8	4553.6	4431.8	3874.9	3596.5
32.5°	4629.1	4542.0	4083.8	3329.7	3028.0
35°	4663.9	4489.8	3619.7	2767.0	2540.8
37.5°	4710.3	4350.6	3074.4	2314.5	2163.7
40°	4774.1	4049.0	2552.4	2024.5	1978.1
42.5°	4849.5	3608.1	2123.1	1879.5	1879.5
45°	4924.9	3086.0	1798.3	1780.9	1804.1
47.5°	4959.7	2575.6	1618.4	1682.2	1705.4
50°	4901.7	2099.9	1485.0	1572.0	1583.6
52.5°	4698.7	1676.4	1334.2	1438.6	1467.6
55°	4327.4	1334.2	1189.2	1299.4	1305.2
57.5°	3787.9	1061.5	1038.3	1125.4	1119.6
60°	3167.2	858.5	870.1	957.1	957.1
62.5°	2500.2	696.1	730.9	806.3	800.5
65°	1879.5	568.5	603.3	678.7	684.5
67.5°	1386.4	469.9	510.5	562.7	551.1
70°	968.7	394.5	435.1	464.1	452.5
72.5°	643.9	336.4	382.9	394.5	388.7
75°	429.3	295.8	348.0	348.0	342.2
77.5°	278.4	261.0	324.8	319.0	307.4
80°	174.0	232.0	301.6	290.0	278.4
82.5°	104.4	203.0	284.2	272.6	261.0
85°	46.4	179.8	266.8	266.8	261.0
87.5°	17.4	162.4	249.4	255.2	243.6
90°	0.0	139.2	232.0	226.2	208.8
92.5°	0.0	127.6	208.8	191.4	179.8
95°	0.0	110.2	185.6	168.2	156.6
97.5°	0.0	98.6	168.2	150.8	139.2
100°	0.0	87.0	150.8	133.4	121.8
102.5°	0.0	75.4	139.2	121.8	116.0
105°	0.0	69.6	127.6	116.0	104.4
107.5°	0.0	63.8	116.0	104.4	98.6
110°	0.0	52.2	104.4	98.6	92.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.4	92.8	92.8	92.8
115°	0.0	40.6	87.0	87.0	87.0
117.5°	0.0	34.8	75.4	87.0	87.0
120°	0.0	34.8	69.6	81.2	81.2
122.5°	0.0	29.0	63.8	81.2	81.2
125°	0.0	23.2	58.0	75.4	69.6
127.5°	0.0	17.4	52.2	63.8	63.8
130°	0.0	17.4	46.4	58.0	52.2
132.5°	0.0	11.6	40.6	46.4	46.4
135°	0.0	11.6	34.8	40.6	40.6
137.5°	0.0	11.6	29.0	34.8	29.0
140°	0.0	5.8	23.2	29.0	23.2
142.5°	0.0	5.8	23.2	29.0	23.2
145°	0.0	5.8	17.4	23.2	17.4
147.5°	0.0	5.8	11.6	17.4	17.4
150°	0.0	5.8	11.6	17.4	11.6
152.5°	0.0	5.8	11.6	11.6	5.8
155°	0.0	5.8	5.8	11.6	5.8
157.5°	0.0	5.8	5.8	5.8	5.8
160°	5.8	5.8	5.8	5.8	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)