

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: P218264

Luminaire Tested: **8TSNLED-LD5-98SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218264
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9978.0 lumens
Efficiency: N/A
Efficacy: 128.9 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

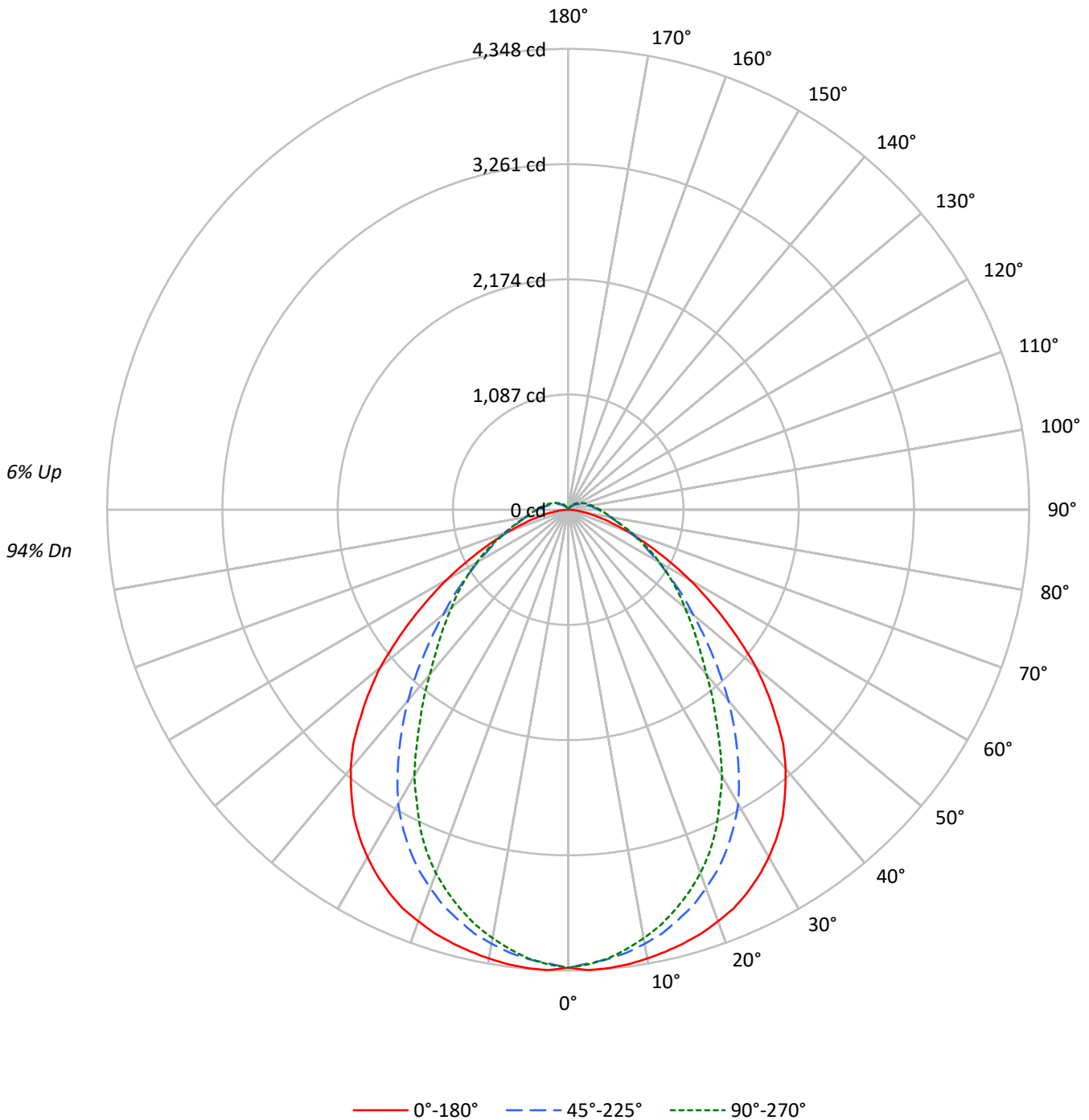
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34815	34815	34815
5°	35055	32392	31629
10°	35051	30178	28554
15°	35102	27997	25694
20°	35160	25807	22933
25°	35128	23530	20047
30°	34793	21057	17115
35°	34194	18168	14080
40°	32983	15392	11605
45°	30921	12662	9733
50°	28289	10342	8208
55°	24451	8544	6995
60°	20602	7002	5860
65°	16499	5821	4845
70°	13000	4898	3999
75°	10021	4165	3320
80°	7198	3687	2851
85°	4709	3362	2581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.3	4.1
10°-20°	1140.2	11.4
20°-30°	1651.1	16.5
30°-40°	1797.0	18.0
40°-50°	1595.9	16.0
50°-60°	1214.8	12.2
60°-70°	806.6	8.1
70°-80°	491.5	4.9
80°-90°	304.5	3.1
90°-100°	208.0	2.1
100°-110°	146.0	1.5
110°-120°	99.4	1.0
120°-130°	63.1	0.6
130°-140°	35.9	0.4
140°-150°	16.8	0.2
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3197.5	32.0
0°-40°	4994.4	50.1
0°-60°	7805.1	78.2
0°-90°	9407.7	94.3
90°-120°	453.4	4.5
90°-150°	569.2	5.7
90°-180°	570.0	5.7
0°-180°	9978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4321	4321	4321	4321	4321	
5°	4342	4316	4258	4279	4253	413
15°	4232	4158	4006	3958	3906	1196
25°	3990	3811	3538	3396	3307	1837
35°	3527	3212	2781	2539	2434	2197
45°	2770	2355	1914	1751	1708	2134
55°	1793	1456	1235	1214	1209	1608
65°	904	778	778	810	799	912
75°	347	394	494	520	505	375
85°	63	200	336	358	347	75
90°	0	147	284	310	300	4
95°	0	116	242	268	263	0
105°	0	74	174	200	200	0
115°	0	47	126	152	147	0
125°	0	32	84	105	105	0
135°	0	21	58	74	74	0
145°	0	10	32	42	42	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°	4321.2	4321.2	4321.2	4321.2	4321.2
2.5°	4347.5	4326.5	4284.4	4310.7	4294.9
5°	4342.3	4316.0	4258.1	4279.2	4252.9
7.5°	4326.5	4294.9	4216.1	4226.6	4184.5
10°	4300.2	4258.1	4158.3	4147.7	4105.7
12.5°	4268.7	4216.1	4095.2	4058.4	4016.3
15°	4231.9	4158.3	4005.8	3958.5	3905.9
17.5°	4189.8	4089.9	3916.4	3842.8	3785.0
20°	4132.0	4011.1	3800.8	3711.4	3648.3
22.5°	4074.2	3916.4	3679.9	3559.0	3490.6
25°	3990.0	3811.3	3537.9	3396.0	3306.6
27.5°	3895.4	3690.4	3380.2	3196.2	3096.4
30°	3785.0	3548.5	3206.8	2991.2	2901.8
32.5°	3664.1	3390.7	2996.5	2765.2	2665.3
35°	3527.4	3212.0	2780.9	2539.1	2434.0
37.5°	3359.2	3017.5	2565.4	2318.3	2234.2
40°	3191.0	2812.5	2349.9	2118.6	2029.2
42.5°	3001.7	2586.4	2129.1	1918.8	1855.7
45°	2770.4	2355.1	1913.5	1750.6	1708.5
47.5°	2544.4	2118.6	1719.0	1603.4	1566.6
50°	2313.1	1887.3	1535.0	1461.4	1435.2
52.5°	2045.0	1661.2	1382.6	1335.3	1324.8
55°	1792.6	1456.2	1235.4	1214.4	1209.1
57.5°	1550.8	1261.7	1098.7	1114.5	1104.0
60°	1324.8	1082.9	977.8	998.8	993.6
62.5°	1104.0	920.0	867.4	909.5	898.9
65°	904.2	778.0	778.0	809.6	799.1
67.5°	730.7	662.4	693.9	725.5	714.9
70°	583.5	557.2	620.3	646.6	636.1
72.5°	452.1	467.9	546.7	578.3	562.5
75°	347.0	394.3	494.2	520.4	504.7
77.5°	247.1	331.2	446.8	467.9	452.1
80°	173.5	278.6	404.8	425.8	410.0
82.5°	110.4	236.6	368.0	389.0	378.5
85°	63.1	199.8	336.4	357.5	347.0
87.5°	31.5	173.5	304.9	331.2	320.7
90°	0.0	147.2	283.9	310.2	299.6
92.5°	0.0	131.4	262.8	289.1	278.6
95°	0.0	115.7	241.8	268.1	262.8
97.5°	0.0	105.1	226.0	252.3	241.8
100°	0.0	89.4	205.0	231.3	226.0
102.5°	0.0	84.1	189.3	215.5	210.3
105°	0.0	73.6	173.5	199.8	199.8
107.5°	0.0	68.3	163.0	189.3	184.0
110°	0.0	57.8	147.2	173.5	173.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	52.6	136.7	163.0	157.7
115°	0.0	47.3	126.2	152.5	147.2
117.5°	0.0	47.3	115.7	136.7	136.7
120°	0.0	42.1	105.1	126.2	126.2
122.5°	0.0	36.8	94.6	115.7	115.7
125°	0.0	31.5	84.1	105.1	105.1
127.5°	0.0	31.5	78.9	99.9	99.9
130°	0.0	26.3	68.3	89.4	89.4
132.5°	0.0	21.0	63.1	78.9	78.9
135°	0.0	21.0	57.8	73.6	73.6
137.5°	0.0	15.8	47.3	63.1	63.1
140°	0.0	15.8	42.1	57.8	57.8
142.5°	0.0	10.5	36.8	52.6	47.3
145°	0.0	10.5	31.5	42.1	42.1
147.5°	0.0	5.3	26.3	36.8	36.8
150°	0.0	5.3	21.0	31.5	26.3
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)