

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: P218276

Luminaire Tested: **8TSNLED-LD5-170HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218276
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-LD5-170HL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14946.9 lumens
Efficiency: N/A
Efficacy: 120.9 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

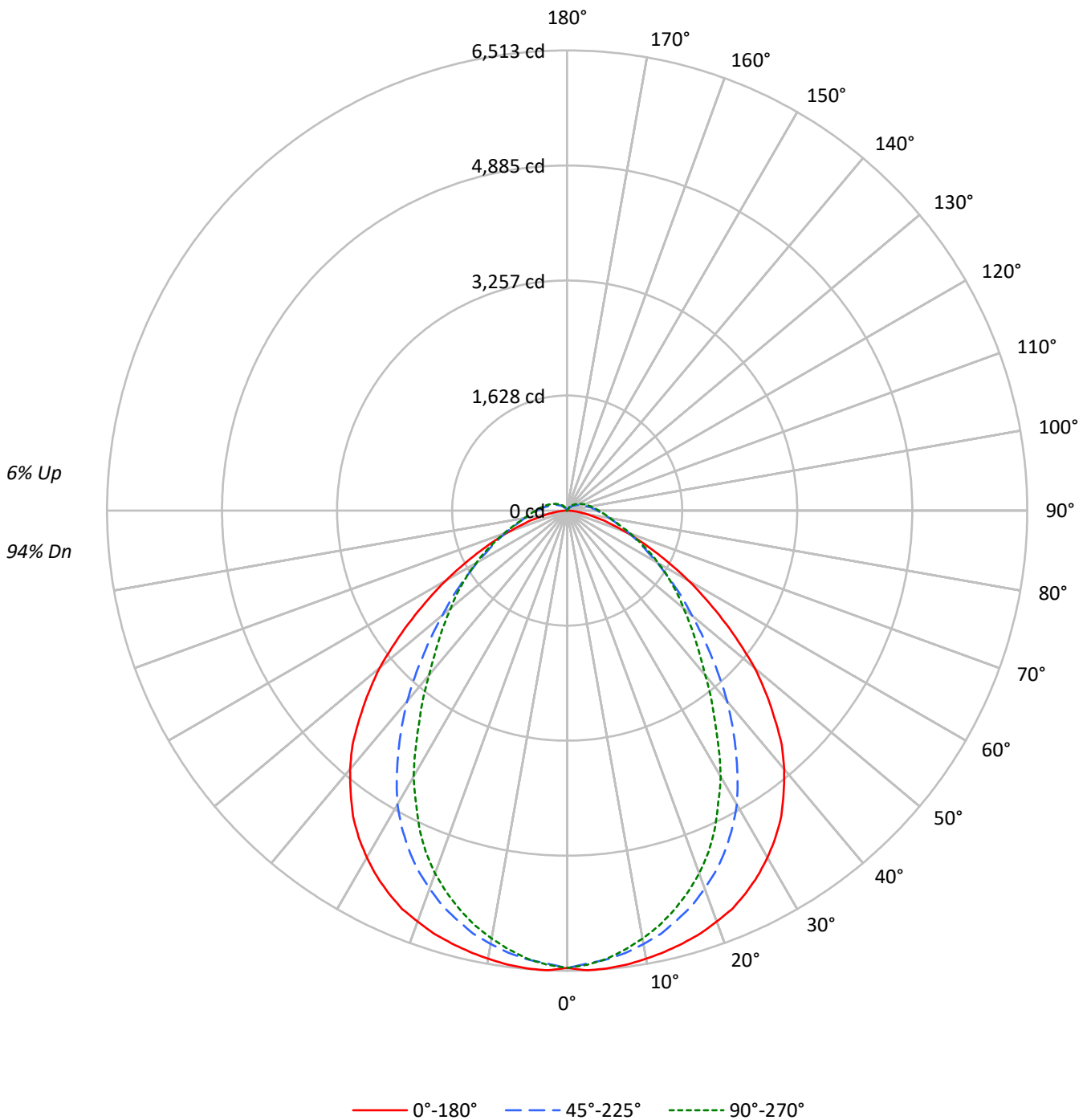
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52153	52153	52153
5°	52511	48524	47379
10°	52507	45207	42774
15°	52582	41940	38491
20°	52670	38659	34354
25°	52623	35249	30030
30°	52120	31543	25639
35°	51223	27216	21092
40°	49409	23057	17383
45°	46320	18968	14580
50°	42377	15493	12295
55°	36627	12799	10478
60°	30862	10488	8779
65°	24716	8720	7257
70°	19474	7337	5990
75°	15009	6238	4973
80°	10782	5523	4272
85°	7053	5036	3865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.6	4.1
10°-20°	1708.0	11.4
20°-30°	2473.3	16.5
30°-40°	2691.8	18.0
40°-50°	2390.7	16.0
50°-60°	1819.7	12.2
60°-70°	1208.2	8.1
70°-80°	736.2	4.9
80°-90°	456.2	3.1
90°-100°	311.6	2.1
100°-110°	218.7	1.5
110°-120°	148.9	1.0
120°-130°	94.5	0.6
130°-140°	53.7	0.4
140°-150°	25.2	0.2
150°-160°	1.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4789.8	32.0
0°-40°	7481.6	50.1
0°-60°	11692.0	78.2
0°-90°	14092.6	94.3
90°-120°	679.2	4.5
90°-150°	852.6	5.7
90°-180°	854.0	5.7
0°-180°	14946.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6473	6473	6473	6473	6473	
5°	6505	6465	6379	6410	6371	619
15°	6339	6229	6001	5930	5851	1791
25°	5977	5709	5300	5087	4953	2752
35°	5284	4812	4166	3804	3646	3292
45°	4150	3528	2866	2622	2559	3196
55°	2685	2181	1851	1819	1811	2409
65°	1354	1166	1166	1213	1197	1366
75°	520	591	740	780	756	562
85°	94	299	504	536	520	112
90°	0	220	425	465	449	6
95°	0	173	362	402	394	0
105°	0	110	260	299	299	0
115°	0	71	189	228	220	0
125°	0	47	126	158	158	0
135°	0	32	87	110	110	0
145°	0	16	47	63	63	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°	6473.2	6473.2	6473.2	6473.2	6473.2
2.5°	6512.6	6481.1	6418.1	6457.4	6433.8
5°	6504.7	6465.3	6378.7	6410.2	6370.8
7.5°	6481.1	6433.8	6315.7	6331.4	6268.4
10°	6441.7	6378.7	6229.1	6213.3	6150.3
12.5°	6394.4	6315.7	6134.6	6079.4	6016.4
15°	6339.3	6229.1	6000.7	5929.8	5851.1
17.5°	6276.3	6126.7	5866.8	5756.6	5669.9
20°	6189.7	6008.6	5693.6	5559.7	5465.2
22.5°	6103.1	5866.8	5512.4	5331.3	5228.9
25°	5977.1	5709.3	5299.8	5087.2	4953.3
27.5°	5835.3	5528.2	5063.6	4788.0	4638.3
30°	5669.9	5315.6	4803.7	4480.8	4347.0
32.5°	5488.8	5079.3	4488.7	4142.2	3992.6
35°	5284.1	4811.6	4165.8	3803.6	3646.1
37.5°	5032.1	4520.2	3843.0	3472.8	3346.8
40°	4780.1	4213.1	3520.1	3173.6	3039.7
42.5°	4496.6	3874.5	3189.3	2874.3	2779.8
45°	4150.1	3528.0	2866.5	2622.3	2559.3
47.5°	3811.5	3173.6	2575.1	2401.9	2346.7
50°	3465.0	2827.1	2299.5	2189.2	2149.9
52.5°	3063.3	2488.5	2071.1	2000.2	1984.5
55°	2685.3	2181.4	1850.6	1819.1	1811.2
57.5°	2323.1	1890.0	1645.9	1669.5	1653.7
60°	1984.5	1622.2	1464.7	1496.2	1488.4
62.5°	1653.7	1378.1	1299.4	1362.4	1346.6
65°	1354.5	1165.5	1165.5	1212.7	1197.0
67.5°	1094.6	992.2	1039.5	1086.7	1071.0
70°	874.1	834.7	929.2	968.6	952.9
72.5°	677.2	700.9	819.0	866.2	842.6
75°	519.7	590.6	740.2	779.6	756.0
77.5°	370.1	496.1	669.4	700.9	677.2
80°	259.9	417.4	606.4	637.9	614.2
82.5°	165.4	354.4	551.2	582.7	567.0
85°	94.5	299.2	504.0	535.5	519.7
87.5°	47.2	259.9	456.7	496.1	480.4
90°	0.0	220.5	425.2	464.6	448.9
92.5°	0.0	196.9	393.7	433.1	417.4
95°	0.0	173.2	362.2	401.6	393.7
97.5°	0.0	157.5	338.6	378.0	362.2
100°	0.0	133.9	307.1	346.5	338.6
102.5°	0.0	126.0	283.5	322.9	315.0
105°	0.0	110.2	259.9	299.2	299.2
107.5°	0.0	102.4	244.1	283.5	275.6
110°	0.0	86.6	220.5	259.9	259.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	78.7	204.7	244.1	236.2
115°	0.0	70.9	189.0	228.4	220.5
117.5°	0.0	70.9	173.2	204.7	204.7
120°	0.0	63.0	157.5	189.0	189.0
122.5°	0.0	55.1	141.7	173.2	173.2
125°	0.0	47.2	126.0	157.5	157.5
127.5°	0.0	47.2	118.1	149.6	149.6
130°	0.0	39.4	102.4	133.9	133.9
132.5°	0.0	31.5	94.5	118.1	118.1
135°	0.0	31.5	86.6	110.2	110.2
137.5°	0.0	23.6	70.9	94.5	94.5
140°	0.0	23.6	63.0	86.6	86.6
142.5°	0.0	15.7	55.1	78.7	70.9
145°	0.0	15.7	47.2	63.0	63.0
147.5°	0.0	7.9	39.4	55.1	55.1
150°	0.0	7.9	31.5	47.2	39.4
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)