

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: P218397

Luminaire Tested: **8TSNLED-LD5-150HL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-150HL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13399.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

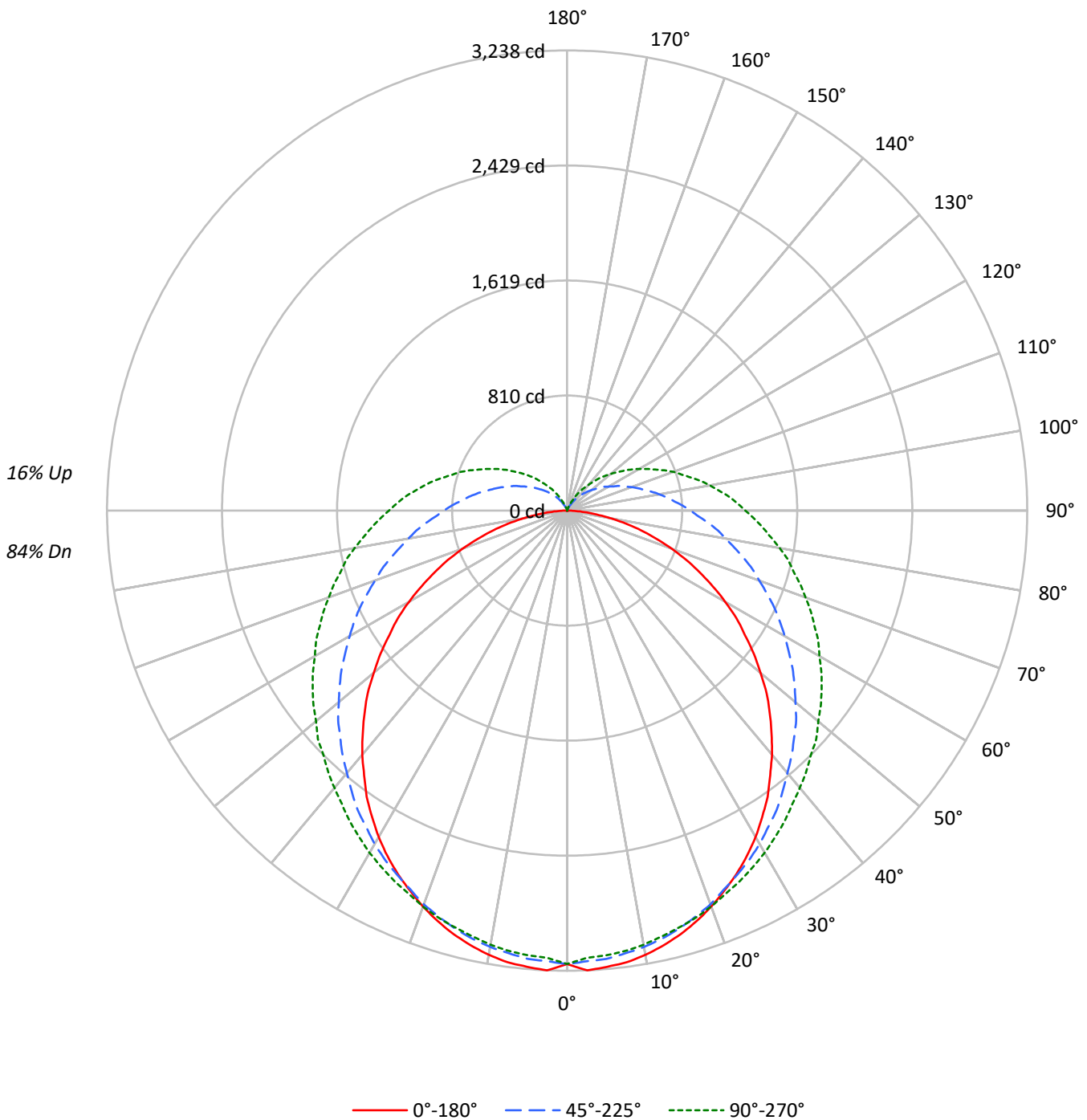
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25703	25703	25703
5°	26013	24085	23367
10°	25872	22628	21572
15°	25595	21286	19982
20°	25232	20024	18639
25°	24833	18813	17441
30°	24376	17783	16399
35°	23836	16800	15434
40°	23174	15790	14567
45°	22512	14942	13826
50°	21719	14131	13189
55°	20826	13394	12644
60°	19994	12659	12086
65°	18769	12025	11643
70°	17366	11358	11214
75°	15549	10834	10837
80°	12670	10320	10563
85°	8993	9957	10279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.1	2.3
10°-20°	864.0	6.4
20°-30°	1313.2	9.8
30°-40°	1607.1	12.0
40°-50°	1735.1	12.9
50°-60°	1703.5	12.7
60°-70°	1534.2	11.5
70°-80°	1270.4	9.5
80°-90°	977.1	7.3
90°-100°	736.6	5.5
100°-110°	542.0	4.0
110°-120°	373.9	2.8
120°-130°	237.1	1.8
130°-140°	131.2	1.0
140°-150°	56.9	0.4
150°-160°	14.2	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2479.2	18.5
0°-40°	4086.4	30.5
0°-60°	7525.0	56.2
0°-90°	11306.7	84.4
90°-120°	1652.5	12.3
90°-150°	2077.7	15.5
90°-180°	2092.0	15.6
0°-180°	13399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3190	3190	3190	3190	3190	
5°	3222	3206	3166	3166	3142	306
15°	3086	3078	3046	3062	3038	870
25°	2821	2821	2829	2885	2877	1299
35°	2459	2483	2571	2652	2668	1535
45°	2017	2105	2258	2395	2427	1556
55°	1527	1696	1937	2130	2186	1370
65°	1029	1262	1607	1848	1920	1021
75°	538	860	1286	1559	1647	571
85°	120	530	996	1294	1382	138
90°	0	410	868	1165	1254	7
95°	8	321	755	1045	1141	2
105°	0	201	562	820	900	0
115°	0	129	410	619	683	0
125°	0	80	281	442	490	0
135°	0	48	177	289	321	0
145°	0	16	88	161	177	0
155°	0	8	24	48	56	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°	3190.2	3190.2	3190.2	3190.2	3190.2
2.5°	3238.4	3214.3	3174.1	3174.1	3150.0
5°	3222.3	3206.3	3166.1	3166.1	3142.0
7.5°	3206.3	3190.2	3142.0	3150.0	3125.9
10°	3174.1	3158.1	3117.9	3125.9	3101.8
12.5°	3134.0	3117.9	3085.7	3093.8	3069.7
15°	3085.7	3077.7	3045.6	3061.6	3037.5
17.5°	3029.5	3021.5	2997.3	3021.5	3005.4
20°	2965.2	2965.2	2949.1	2981.3	2965.2
22.5°	2892.9	2892.9	2884.8	2933.1	2917.0
25°	2820.6	2820.6	2828.6	2884.8	2876.8
27.5°	2740.2	2748.2	2772.3	2836.6	2828.6
30°	2651.8	2667.9	2708.1	2780.4	2780.4
32.5°	2555.4	2571.4	2635.7	2724.1	2724.1
35°	2458.9	2483.1	2571.4	2651.8	2667.9
37.5°	2346.4	2386.6	2491.1	2587.5	2603.6
40°	2242.0	2298.2	2410.7	2523.2	2547.3
42.5°	2129.5	2201.8	2338.4	2467.0	2491.1
45°	2017.0	2105.4	2258.1	2394.7	2426.8
47.5°	1904.5	2000.9	2185.7	2330.4	2378.6
50°	1775.9	1896.4	2097.3	2266.1	2306.3
52.5°	1655.4	1792.0	2017.0	2193.8	2250.0
55°	1526.8	1695.5	1936.6	2129.5	2185.7
57.5°	1414.3	1583.0	1848.2	2065.2	2121.4
60°	1285.7	1470.5	1767.9	1984.8	2049.1
62.5°	1157.2	1374.1	1687.5	1920.5	1992.9
65°	1028.6	1261.6	1607.2	1848.2	1920.5
67.5°	908.0	1157.2	1518.8	1775.9	1856.3
70°	779.5	1052.7	1438.4	1703.6	1783.9
72.5°	658.9	956.3	1366.1	1631.3	1719.7
75°	538.4	859.8	1285.7	1558.9	1647.3
77.5°	425.9	771.4	1205.4	1494.7	1591.1
80°	305.4	683.0	1133.0	1422.3	1518.8
82.5°	208.9	602.7	1068.8	1358.0	1446.4
85°	120.5	530.4	996.4	1293.8	1382.2
87.5°	48.2	466.1	924.1	1221.4	1317.9
90°	0.0	409.8	867.9	1165.2	1253.6
92.5°	0.0	361.6	811.6	1100.9	1197.3
95°	8.0	321.4	755.4	1044.7	1141.1
97.5°	0.0	281.3	707.1	988.4	1076.8
100°	0.0	257.1	658.9	932.1	1020.5
102.5°	0.0	225.0	610.7	875.9	964.3
105°	0.0	200.9	562.5	819.6	900.0
107.5°	0.0	184.8	522.3	771.4	843.8
110°	0.0	160.7	482.1	723.2	795.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	144.6	442.0	667.0	739.3
115°	0.0	128.6	409.8	618.8	683.0
117.5°	0.0	120.5	369.6	570.5	634.8
120°	0.0	104.5	337.5	530.4	586.6
122.5°	0.0	96.4	313.4	482.1	538.4
125°	0.0	80.4	281.3	442.0	490.2
127.5°	0.0	72.3	249.1	401.8	442.0
130°	0.0	64.3	225.0	361.6	401.8
132.5°	0.0	56.3	200.9	321.4	361.6
135°	0.0	48.2	176.8	289.3	321.4
137.5°	0.0	40.2	152.7	249.1	281.3
140°	0.0	32.1	128.6	217.0	241.1
142.5°	0.0	24.1	112.5	184.8	208.9
145°	0.0	16.1	88.4	160.7	176.8
147.5°	0.0	16.1	72.3	128.6	144.6
150°	0.0	8.0	48.2	104.5	112.5
152.5°	0.0	8.0	40.2	80.4	80.4
155°	0.0	8.0	24.1	48.2	56.3
157.5°	0.0	0.0	16.1	32.1	32.1
160°	0.0	0.0	8.0	16.1	24.1
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)