

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: P218396

Luminaire Tested: **8TSNLED-LD5-150HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218396
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13136.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

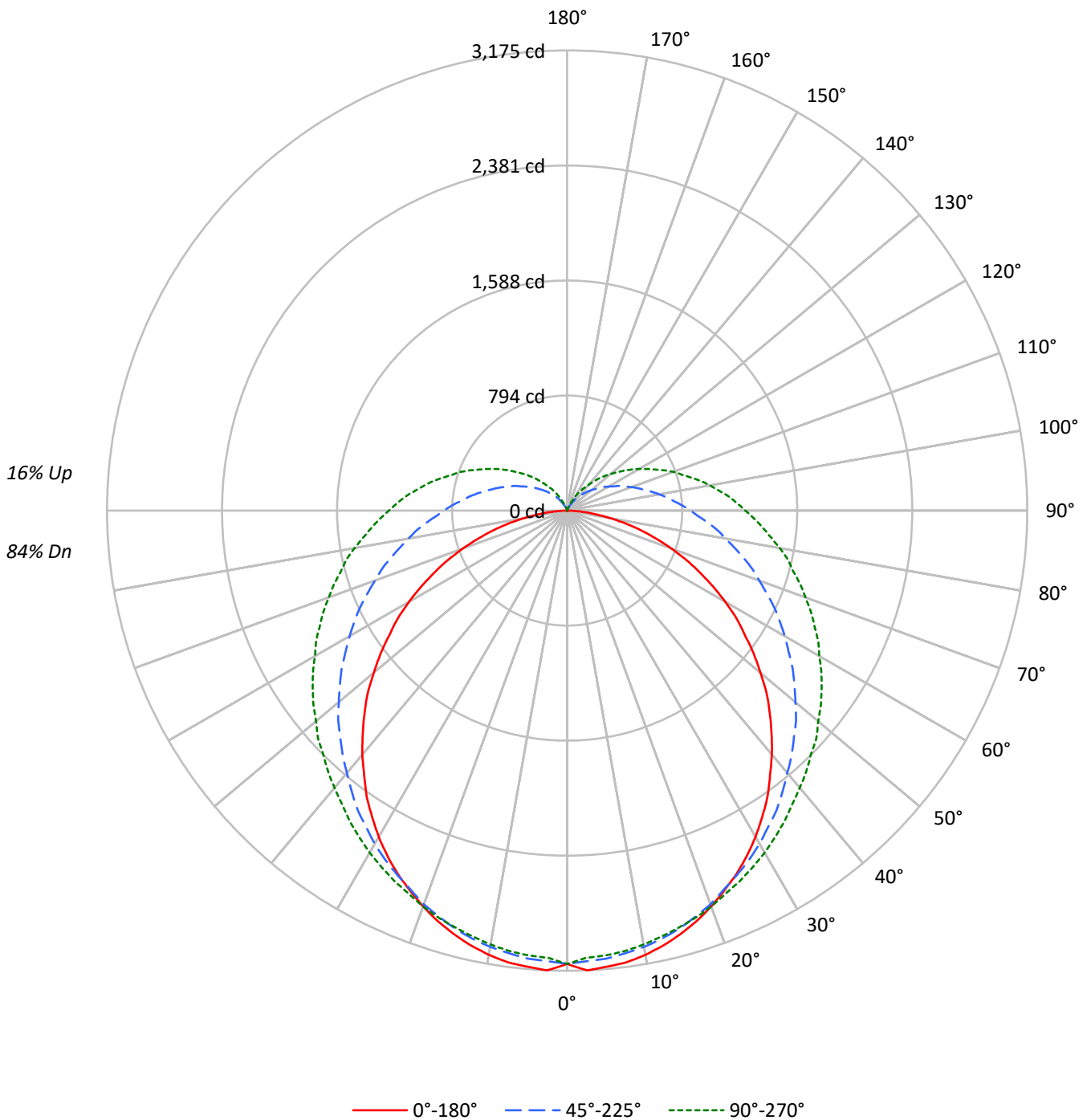
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	64
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°	25199	25199	25199
5°	25503	23612	22908
10°	25365	22184	21149
15°	25093	20868	19590
20°	24736	19631	18273
25°	24345	18444	17099
30°	23898	17433	16077
35°	23369	16470	15130
40°	22719	15480	14282
45°	22070	14649	13554
50°	21292	13854	12930
55°	20416	13131	12396
60°	19602	12411	11848
65°	18400	11788	11415
70°	17025	11135	10994
75°	15242	10622	10624
80°	12421	10118	10356
85°	8822	9762	10077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	2.3
10°-20°	847.0	6.4
20°-30°	1287.4	9.8
30°-40°	1575.6	12.0
40°-50°	1701.1	12.9
50°-60°	1670.1	12.7
60°-70°	1504.1	11.5
70°-80°	1245.5	9.5
80°-90°	957.9	7.3
90°-100°	722.1	5.5
100°-110°	531.4	4.0
110°-120°	366.6	2.8
120°-130°	232.5	1.8
130°-140°	128.7	1.0
140°-150°	55.7	0.4
150°-160°	13.9	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2430.6	18.5
0°-40°	4006.2	30.5
0°-60°	7377.3	56.2
0°-90°	11084.8	84.4
90°-120°	1620.1	12.3
90°-150°	2036.9	15.5
90°-180°	2051.0	15.6
0°-180°	13136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3128	3128	3128	3128	3128	
5°	3159	3143	3104	3104	3080	300
15°	3025	3017	2986	3002	2978	853
25°	2765	2765	2773	2828	2820	1274
35°	2411	2434	2521	2600	2616	1505
45°	1977	2064	2214	2348	2379	1525
55°	1497	1662	1899	2088	2143	1343
65°	1008	1237	1576	1812	1883	1001
75°	528	843	1260	1528	1615	560
85°	118	520	977	1268	1355	135
90°	0	402	851	1142	1229	6
95°	8	315	740	1024	1119	2
105°	0	197	552	804	882	0
115°	0	126	402	607	670	0
125°	0	79	276	433	481	0
135°	0	47	173	284	315	0
145°	0	16	87	158	173	0
155°	0	8	24	47	55	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°	3127.6	3127.6	3127.6	3127.6	3127.6
2.5°	3174.9	3151.2	3111.8	3111.8	3088.2
5°	3159.1	3143.3	3103.9	3103.9	3080.3
7.5°	3143.3	3127.6	3080.3	3088.2	3064.6
10°	3111.8	3096.1	3056.7	3064.6	3040.9
12.5°	3072.4	3056.7	3025.2	3033.0	3009.4
15°	3025.2	3017.3	2985.8	3001.5	2977.9
17.5°	2970.0	2962.1	2938.5	2962.1	2946.4
20°	2907.0	2907.0	2891.2	2922.8	2907.0
22.5°	2836.1	2836.1	2828.2	2875.5	2859.7
25°	2765.2	2765.2	2773.1	2828.2	2820.3
27.5°	2686.4	2694.3	2717.9	2780.9	2773.1
30°	2599.8	2615.5	2654.9	2725.8	2725.8
32.5°	2505.2	2521.0	2584.0	2670.7	2670.7
35°	2410.7	2434.3	2521.0	2599.8	2615.5
37.5°	2300.4	2339.8	2442.2	2536.7	2552.5
40°	2198.0	2253.1	2363.4	2473.7	2497.3
42.5°	2087.7	2158.6	2292.5	2418.6	2442.2
45°	1977.4	2064.0	2213.7	2347.7	2379.2
47.5°	1867.1	1961.6	2142.8	2284.6	2331.9
50°	1741.0	1859.2	2056.2	2221.6	2261.0
52.5°	1622.9	1756.8	1977.4	2150.7	2205.9
55°	1496.8	1662.3	1898.6	2087.7	2142.8
57.5°	1386.5	1552.0	1811.9	2024.7	2079.8
60°	1260.5	1441.7	1733.2	1945.9	2008.9
62.5°	1134.4	1347.1	1654.4	1882.9	1953.8
65°	1008.4	1236.9	1575.6	1811.9	1882.9
67.5°	890.2	1134.4	1489.0	1741.0	1819.8
70°	764.2	1032.0	1410.2	1670.1	1748.9
72.5°	646.0	937.5	1339.3	1599.2	1685.9
75°	527.8	843.0	1260.5	1528.3	1615.0
77.5°	417.5	756.3	1181.7	1465.3	1559.9
80°	299.4	669.6	1110.8	1394.4	1489.0
82.5°	204.8	590.9	1047.8	1331.4	1418.0
85°	118.2	520.0	976.9	1268.4	1355.0
87.5°	47.3	456.9	906.0	1197.5	1292.0
90°	0.0	401.8	850.8	1142.3	1229.0
92.5°	0.0	354.5	795.7	1079.3	1173.8
95°	7.9	315.1	740.5	1024.1	1118.7
97.5°	0.0	275.7	693.3	969.0	1055.7
100°	0.0	252.1	646.0	913.9	1000.5
102.5°	0.0	220.6	598.7	858.7	945.4
105°	0.0	197.0	551.5	803.6	882.3
107.5°	0.0	181.2	512.1	756.3	827.2
110°	0.0	157.6	472.7	709.0	779.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	141.8	433.3	653.9	724.8
115°	0.0	126.0	401.8	606.6	669.6
117.5°	0.0	118.2	362.4	559.3	622.4
120°	0.0	102.4	330.9	520.0	575.1
122.5°	0.0	94.5	307.2	472.7	527.8
125°	0.0	78.8	275.7	433.3	480.6
127.5°	0.0	70.9	244.2	393.9	433.3
130°	0.0	63.0	220.6	354.5	393.9
132.5°	0.0	55.1	197.0	315.1	354.5
135°	0.0	47.3	173.3	283.6	315.1
137.5°	0.0	39.4	149.7	244.2	275.7
140°	0.0	31.5	126.0	212.7	236.3
142.5°	0.0	23.6	110.3	181.2	204.8
145°	0.0	15.8	86.7	157.6	173.3
147.5°	0.0	15.8	70.9	126.0	141.8
150°	0.0	7.9	47.3	102.4	110.3
152.5°	0.0	7.9	39.4	78.8	78.8
155°	0.0	7.9	23.6	47.3	55.1
157.5°	0.0	0.0	15.8	31.5	31.5
160°	0.0	0.0	7.9	15.8	23.6
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)