

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: P218395

Luminaire Tested: **8TSNLED-LD5-150HL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218395
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12365.0 lumens
Efficiency: N/A
Efficacy: 100.0 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

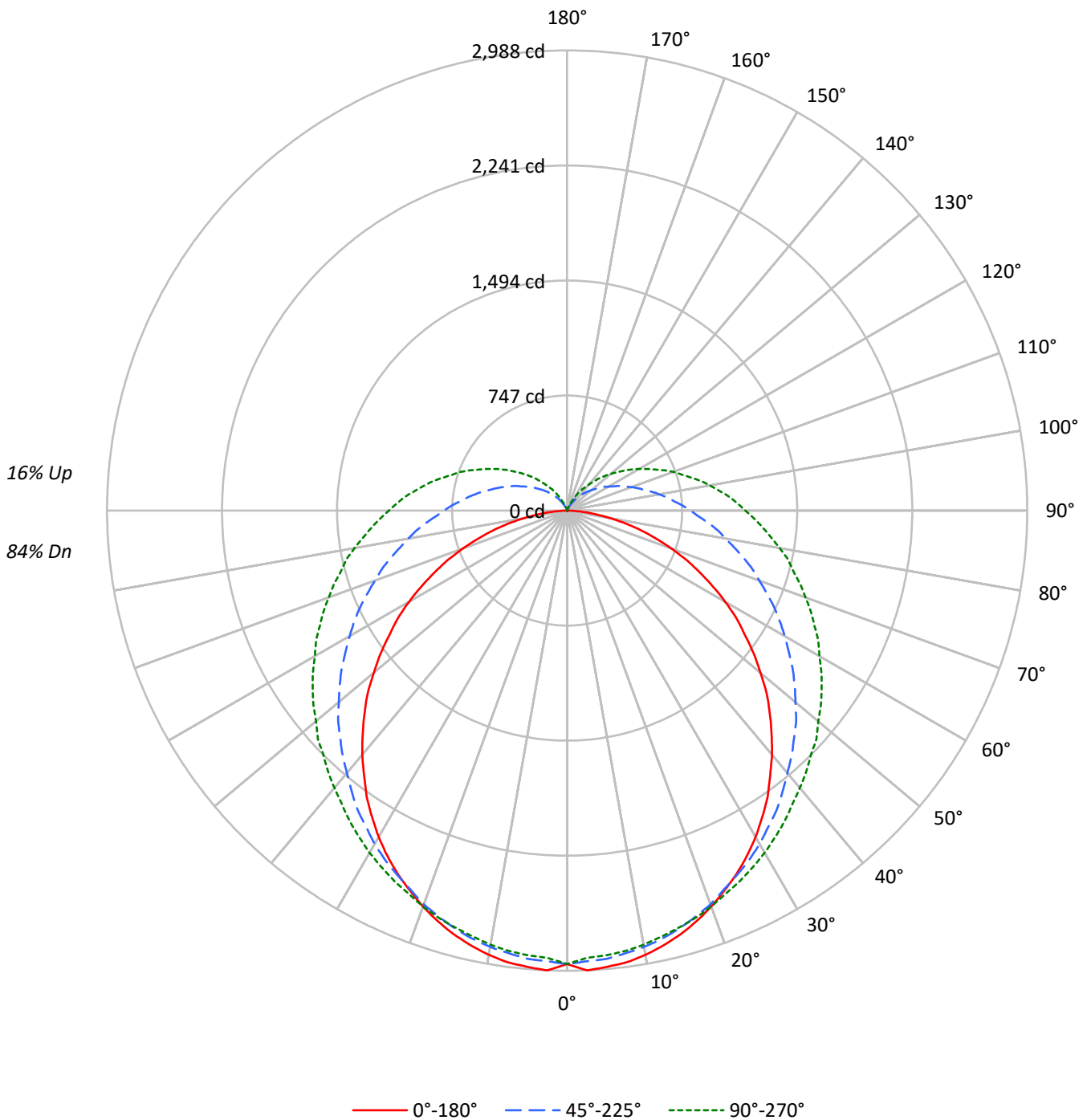
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23719	23719	23719
5°	24006	22227	21563
10°	23876	20882	19907
15°	23620	19643	18440
20°	23285	18479	17201
25°	22916	17361	16095
30°	22496	16410	15133
35°	21997	15503	14242
40°	21386	14572	13444
45°	20774	13789	12759
50°	20044	13041	12171
55°	19219	12361	11669
60°	18452	11682	11153
65°	17320	11096	10745
70°	16025	10481	10349
75°	14347	9998	10000
80°	11691	9524	9748
85°	8299	9188	9486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	2.3
10°-20°	797.3	6.4
20°-30°	1211.8	9.8
30°-40°	1483.1	12.0
40°-50°	1601.2	12.9
50°-60°	1572.0	12.7
60°-70°	1415.8	11.5
70°-80°	1172.4	9.5
80°-90°	901.7	7.3
90°-100°	679.7	5.5
100°-110°	500.2	4.0
110°-120°	345.1	2.8
120°-130°	218.8	1.8
130°-140°	121.1	1.0
140°-150°	52.5	0.4
150°-160°	13.1	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2287.9	18.5
0°-40°	3771.0	30.5
0°-60°	6944.3	56.2
0°-90°	10434.2	84.4
90°-120°	1524.9	12.3
90°-150°	1917.3	15.5
90°-180°	1931.0	15.6
0°-180°	12365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2944	2944	2944	2944	2944	
5°	2974	2959	2922	2922	2900	282
15°	2848	2840	2810	2825	2803	803
25°	2603	2603	2610	2662	2655	1199
35°	2269	2291	2373	2447	2462	1417
45°	1861	1943	2084	2210	2240	1436
55°	1409	1565	1787	1965	2017	1264
65°	949	1164	1483	1706	1772	942
75°	497	794	1186	1439	1520	527
85°	111	489	920	1194	1276	127
90°	0	378	801	1075	1157	6
95°	7	297	697	964	1053	2
105°	0	185	519	756	831	0
115°	0	119	378	571	630	0
125°	0	74	260	408	452	0
135°	0	44	163	267	297	0
145°	0	15	82	148	163	0
155°	0	7	22	44	52	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°	2944.0	2944.0	2944.0	2944.0	2944.0
2.5°	2988.5	2966.3	2929.2	2929.2	2906.9
5°	2973.7	2958.8	2921.8	2921.8	2899.5
7.5°	2958.8	2944.0	2899.5	2906.9	2884.7
10°	2929.2	2914.4	2877.3	2884.7	2862.4
12.5°	2892.1	2877.3	2847.6	2855.0	2832.8
15°	2847.6	2840.2	2810.5	2825.4	2803.1
17.5°	2795.7	2788.3	2766.0	2788.3	2773.5
20°	2736.4	2736.4	2721.5	2751.2	2736.4
22.5°	2669.6	2669.6	2662.2	2706.7	2691.9
25°	2602.9	2602.9	2610.3	2662.2	2654.8
27.5°	2528.7	2536.2	2558.4	2617.7	2610.3
30°	2447.2	2462.0	2499.1	2565.8	2565.8
32.5°	2358.2	2373.0	2432.3	2513.9	2513.9
35°	2269.2	2291.4	2373.0	2447.2	2462.0
37.5°	2165.4	2202.4	2298.9	2387.8	2402.7
40°	2069.0	2120.9	2224.7	2328.5	2350.8
42.5°	1965.1	2031.9	2158.0	2276.6	2298.9
45°	1861.3	1942.9	2083.8	2209.9	2239.5
47.5°	1757.5	1846.5	2017.1	2150.5	2195.0
50°	1638.9	1750.1	1935.5	2091.2	2128.3
52.5°	1527.6	1653.7	1861.3	2024.5	2076.4
55°	1409.0	1564.7	1787.2	1965.1	2017.1
57.5°	1305.2	1460.9	1705.6	1905.8	1957.7
60°	1186.5	1357.1	1631.4	1831.7	1891.0
62.5°	1067.9	1268.1	1557.3	1772.3	1839.1
65°	949.2	1164.3	1483.1	1705.6	1772.3
67.5°	838.0	1067.9	1401.6	1638.9	1713.0
70°	719.3	971.5	1327.4	1572.1	1646.3
72.5°	608.1	882.5	1260.7	1505.4	1586.9
75°	496.8	793.5	1186.5	1438.6	1520.2
77.5°	393.0	711.9	1112.3	1379.3	1468.3
80°	281.8	630.3	1045.6	1312.6	1401.6
82.5°	192.8	556.2	986.3	1253.2	1334.8
85°	111.2	489.4	919.5	1193.9	1275.5
87.5°	44.5	430.1	852.8	1127.2	1216.2
90°	0.0	378.2	800.9	1075.3	1156.8
92.5°	0.0	333.7	749.0	1015.9	1104.9
95°	7.4	296.6	697.1	964.0	1053.0
97.5°	0.0	259.5	652.6	912.1	993.7
100°	0.0	237.3	608.1	860.2	941.8
102.5°	0.0	207.6	563.6	808.3	889.9
105°	0.0	185.4	519.1	756.4	830.6
107.5°	0.0	170.6	482.0	711.9	778.6
110°	0.0	148.3	444.9	667.4	734.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	133.5	407.9	615.5	682.2
115°	0.0	118.7	378.2	571.0	630.3
117.5°	0.0	111.2	341.1	526.5	585.8
120°	0.0	96.4	311.5	489.4	541.3
122.5°	0.0	89.0	289.2	444.9	496.8
125°	0.0	74.2	259.5	407.9	452.4
127.5°	0.0	66.7	229.9	370.8	407.9
130°	0.0	59.3	207.6	333.7	370.8
132.5°	0.0	51.9	185.4	296.6	333.7
135°	0.0	44.5	163.1	267.0	296.6
137.5°	0.0	37.1	140.9	229.9	259.5
140°	0.0	29.7	118.7	200.2	222.5
142.5°	0.0	22.2	103.8	170.6	192.8
145°	0.0	14.8	81.6	148.3	163.1
147.5°	0.0	14.8	66.7	118.7	133.5
150°	0.0	7.4	44.5	96.4	103.8
152.5°	0.0	7.4	37.1	74.2	74.2
155°	0.0	7.4	22.2	44.5	51.9
157.5°	0.0	0.0	14.8	29.7	29.7
160°	0.0	0.0	7.4	14.8	22.2
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)