

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: P218151

Luminaire Tested: **8TSNLED-LD5-130HL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-130HL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11144.9 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

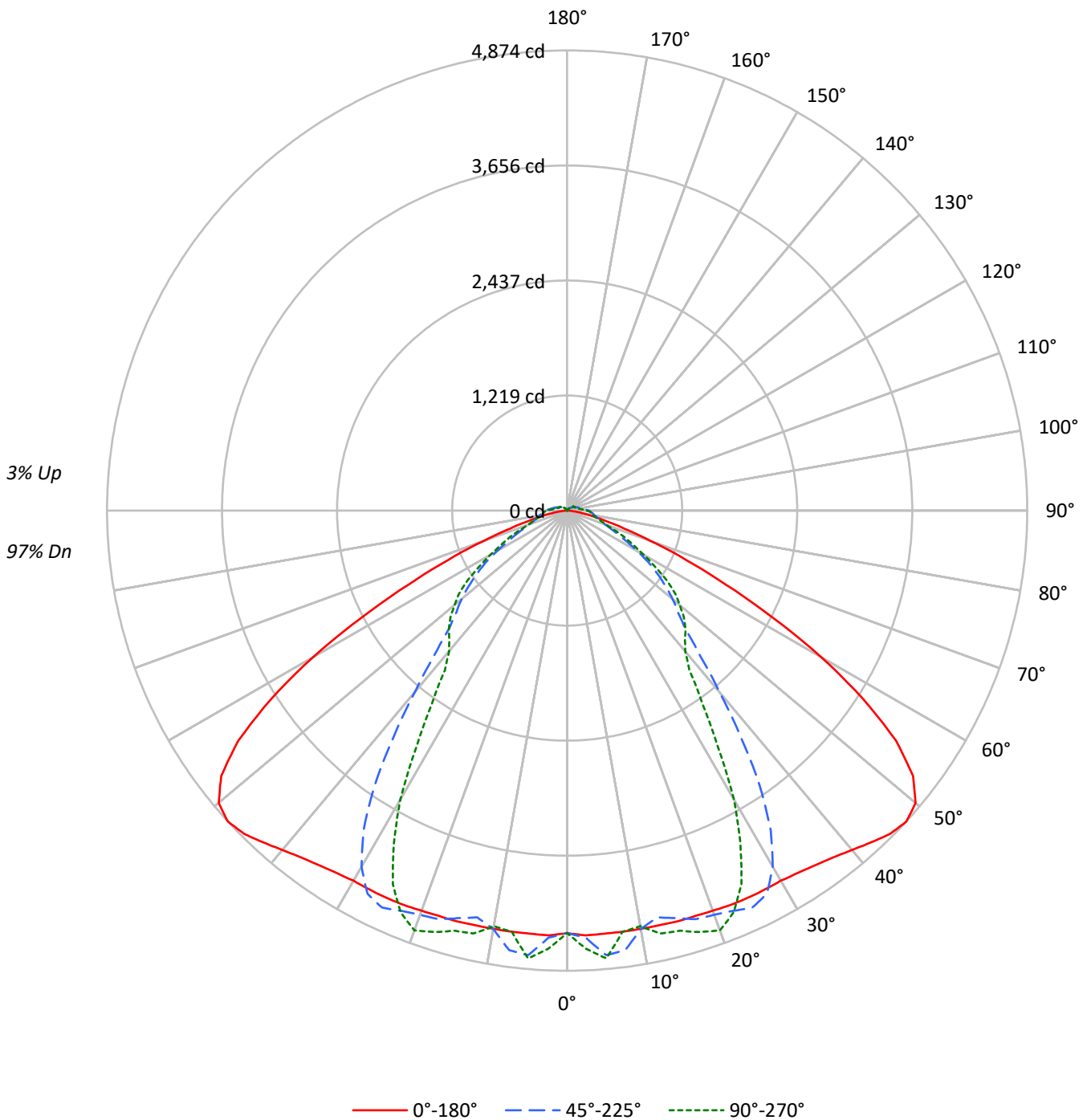
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36057	36057	36057
5°	36313	35953	35403
10°	36665	32644	31085
15°	37357	31239	30303
20°	38372	30929	29745
25°	39852	30865	26476
30°	41610	28601	20848
35°	44434	23242	14446
40°	48498	16431	11118
45°	54022	11695	10101
50°	58916	9834	8901
55°	58011	8083	7420
60°	48408	6124	5548
65°	33704	4436	4078
70°	21212	3376	2795
75°	12184	2883	2213
80°	7094	2701	1904
85°	3403	2620	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.9	3.9
10°-20°	1295.6	11.6
20°-30°	2058.7	18.5
30°-40°	2219.8	19.9
40°-50°	1913.2	17.2
50°-60°	1448.5	13.0
60°-70°	782.5	7.0
70°-80°	371.7	3.3
80°-90°	233.3	2.1
90°-100°	148.5	1.3
100°-110°	95.0	0.9
110°-120°	63.6	0.6
120°-130°	42.0	0.4
130°-140°	20.5	0.2
140°-150°	8.7	0.1
150°-160°	3.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3794.3	34.0
0°-40°	6014.1	54.0
0°-60°	9375.8	84.1
0°-90°	10763.2	96.6
90°-120°	307.1	2.8
90°-150°	378.3	3.4
90°-180°	382.0	3.4
0°-180°	11144.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4475	4475	4475	4475	4475	
5°	4498	4595	4726	4789	4760	429
15°	4504	4624	4470	4624	4606	1276
25°	4527	4441	4641	4515	4367	2094
35°	4584	4413	3558	2719	2497	2887
45°	4840	3033	1767	1750	1773	3726
55°	4253	1311	1169	1277	1283	3699
65°	1847	559	593	667	673	1897
75°	422	291	342	342	336	497
85°	46	177	262	262	256	66
90°	0	137	228	222	205	2
95°	0	108	182	165	154	0
105°	0	68	125	114	103	0
115°	0	40	86	86	86	0
125°	0	23	57	74	68	0
135°	0	11	34	40	40	0
145°	0	6	17	23	17	0
155°	0	6	6	11	6	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218151

CATALOG NUMBER: 8TSNLED-LD5-130HL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4475.3	4475.3	4475.3	4475.3	4475.3
2.5°	4503.8	4509.5	4526.6	4612.2	4646.4
5°	4498.1	4595.1	4726.2	4788.9	4760.4
7.5°	4498.1	4697.7	4697.7	4578.0	4498.1
10°	4498.1	4754.7	4498.1	4475.3	4469.6
12.5°	4498.1	4720.5	4412.6	4572.3	4589.4
15°	4503.8	4623.6	4469.6	4623.6	4606.5
17.5°	4503.8	4509.5	4538.0	4657.8	4680.6
20°	4509.5	4435.4	4555.2	4749.0	4731.9
22.5°	4520.9	4424.0	4589.4	4709.1	4606.5
25°	4526.6	4441.1	4640.7	4515.2	4367.0
27.5°	4526.6	4463.9	4578.0	4218.8	3973.6
30°	4526.6	4475.3	4355.6	3808.3	3534.7
32.5°	4549.5	4463.9	4013.6	3272.4	2976.0
35°	4583.7	4412.6	3557.5	2719.4	2497.1
37.5°	4629.3	4275.8	3021.6	2274.7	2126.5
40°	4692.0	3979.3	2508.5	1989.7	1944.1
42.5°	4766.1	3546.1	2086.6	1847.1	1847.1
45°	4840.2	3033.0	1767.3	1750.2	1773.0
47.5°	4874.4	2531.3	1590.6	1653.3	1676.1
50°	4817.4	2063.8	1459.5	1545.0	1556.4
52.5°	4617.9	1647.6	1311.2	1413.9	1442.4
55°	4253.0	1311.2	1168.7	1277.0	1282.7
57.5°	3722.8	1043.3	1020.5	1106.0	1100.3
60°	3112.8	843.8	855.2	940.7	940.7
62.5°	2457.2	684.1	718.3	792.4	786.7
65°	1847.1	558.7	592.9	667.0	672.7
67.5°	1362.6	461.8	501.7	553.0	541.6
70°	952.1	387.7	427.6	456.1	444.7
72.5°	632.8	330.7	376.3	387.7	382.0
75°	421.9	290.8	342.1	342.1	336.4
77.5°	273.7	256.5	319.3	313.6	302.2
80°	171.0	228.0	296.5	285.1	273.7
82.5°	102.6	199.5	279.4	268.0	256.5
85°	45.6	176.7	262.2	262.2	256.5
87.5°	17.1	159.6	245.1	250.8	239.4
90°	0.0	136.8	228.0	222.3	205.2
92.5°	0.0	125.4	205.2	188.1	176.7
95°	0.0	108.3	182.4	165.3	153.9
97.5°	0.0	96.9	165.3	148.2	136.8
100°	0.0	85.5	148.2	131.1	119.7
102.5°	0.0	74.1	136.8	119.7	114.0
105°	0.0	68.4	125.4	114.0	102.6
107.5°	0.0	62.7	114.0	102.6	96.9
110°	0.0	51.3	102.6	96.9	91.2



TEST NUMBER: P218151

CATALOG NUMBER: 8TSNLED-LD5-130HL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.6	91.2	91.2	91.2
115°	0.0	39.9	85.5	85.5	85.5
117.5°	0.0	34.2	74.1	85.5	85.5
120°	0.0	34.2	68.4	79.8	79.8
122.5°	0.0	28.5	62.7	79.8	79.8
125°	0.0	22.8	57.0	74.1	68.4
127.5°	0.0	17.1	51.3	62.7	62.7
130°	0.0	17.1	45.6	57.0	51.3
132.5°	0.0	11.4	39.9	45.6	45.6
135°	0.0	11.4	34.2	39.9	39.9
137.5°	0.0	11.4	28.5	34.2	28.5
140°	0.0	5.7	22.8	28.5	22.8
142.5°	0.0	5.7	22.8	28.5	22.8
145°	0.0	5.7	17.1	22.8	17.1
147.5°	0.0	5.7	11.4	17.1	17.1
150°	0.0	5.7	11.4	17.1	11.4
152.5°	0.0	5.7	11.4	11.4	5.7
155°	0.0	5.7	5.7	11.4	5.7
157.5°	0.0	5.7	5.7	5.7	5.7
160°	5.7	5.7	5.7	5.7	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)