

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: P218154

Luminaire Tested: **8TSNLED-LD5-130HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218154
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13063.0 lumens
Efficiency: N/A
Efficacy: 152.1 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

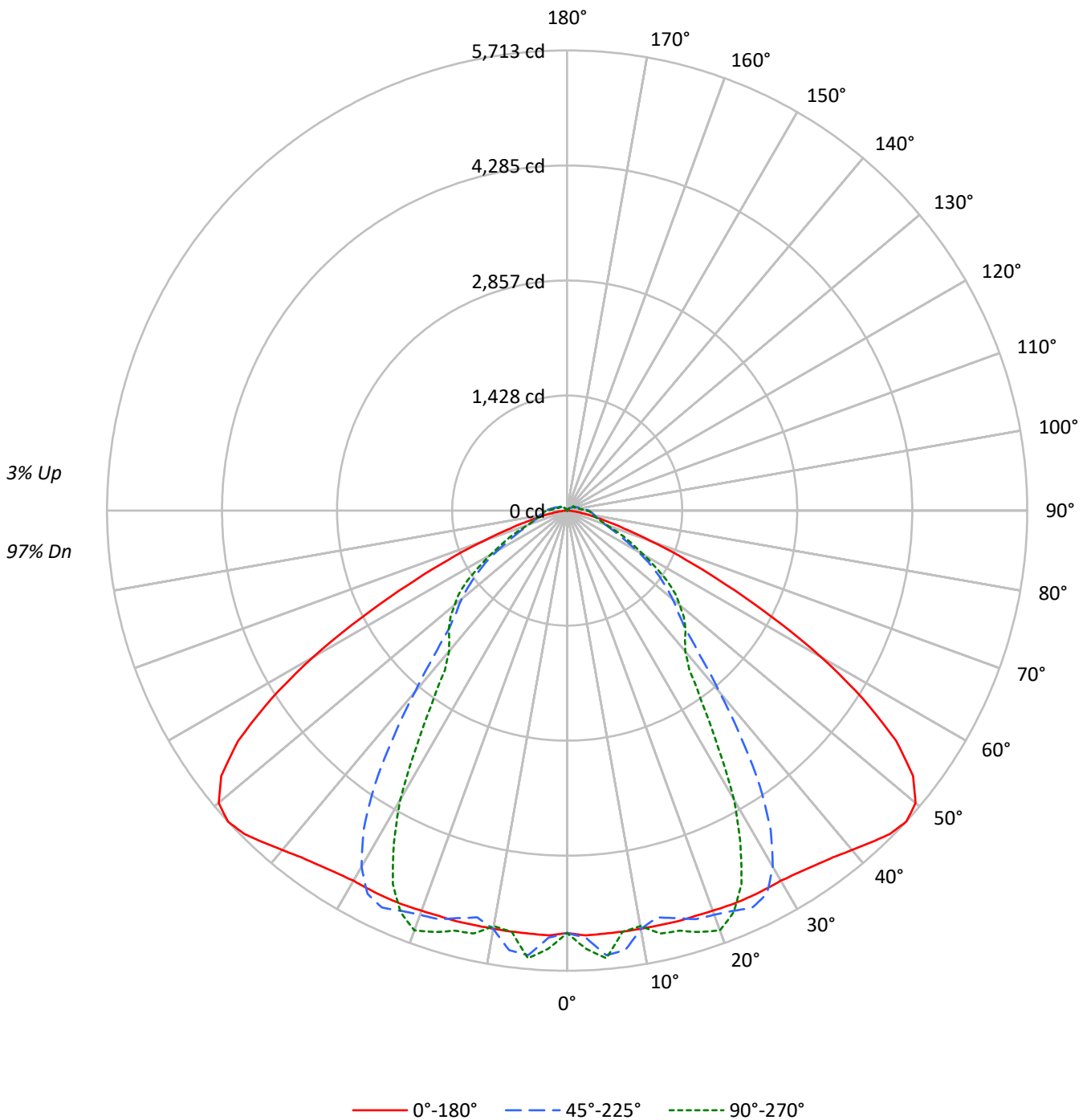
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97	97	97	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83	83	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72	72	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62	62	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54	54	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48	48	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43	43	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38	38	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34	34	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31	31	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28	28	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42262	42262	42262
5°	42562	42140	41495
10°	42974	38262	36435
15°	43787	36615	35518
20°	44976	36252	34863
25°	46711	36176	31032
30°	48772	33523	24435
35°	52080	27242	16931
40°	56844	19258	13031
45°	63319	13708	11840
50°	69056	11526	10432
55°	67994	9474	8698
60°	56739	7177	6503
65°	39505	5199	4780
70°	24861	3958	3276
75°	14281	3378	2593
80°	8318	3165	2230
85°	3993	3072	2236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.6	3.9
10°-20°	1518.6	11.6
20°-30°	2413.0	18.5
30°-40°	2601.8	19.9
40°-50°	2242.5	17.2
50°-60°	1697.7	13.0
60°-70°	917.2	7.0
70°-80°	435.6	3.3
80°-90°	273.5	2.1
90°-100°	174.0	1.3
100°-110°	111.4	0.9
110°-120°	74.5	0.6
120°-130°	49.2	0.4
130°-140°	24.1	0.2
140°-150°	10.2	0.1
150°-160°	3.7	0.0
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	4447.2	34.0
0°-40°	7049.0	54.0
0°-60°	10989.3	84.1
0°-90°	12615.6	96.6
90°-120°	360.0	2.8
90°-150°	443.5	3.4
90°-180°	447.0	3.4
0°-180°	13063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5246	5246	5246	5246	5246	
5°	5272	5386	5540	5613	5580	503
15°	5279	5419	5239	5419	5399	1496
25°	5306	5205	5439	5292	5119	2454
35°	5372	5172	4170	3187	2927	3384
45°	5673	3555	2072	2051	2078	4367
55°	4985	1537	1370	1497	1504	4336
65°	2165	655	695	782	788	2223
75°	494	341	401	401	394	582
85°	54	207	307	307	301	77
90°	0	160	267	261	241	3
95°	0	127	214	194	180	0
105°	0	80	147	134	120	0
115°	0	47	100	100	100	0
125°	0	27	67	87	80	0
135°	0	13	40	47	47	0
145°	0	7	20	27	20	0
155°	0	7	7	13	7	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°	5245.5	5245.5	5245.5	5245.5	5245.5
2.5°	5278.9	5285.6	5305.7	5405.9	5446.0
5°	5272.2	5385.8	5539.5	5613.0	5579.6
7.5°	5272.2	5506.1	5506.1	5365.8	5272.2
10°	5272.2	5572.9	5272.2	5245.5	5238.8
12.5°	5272.2	5532.9	5172.0	5359.1	5379.2
15°	5278.9	5419.3	5238.8	5419.3	5399.2
17.5°	5278.9	5285.6	5319.0	5459.4	5486.1
20°	5285.6	5198.7	5339.1	5566.3	5546.2
22.5°	5299.0	5185.4	5379.2	5519.5	5399.2
25°	5305.7	5205.4	5439.3	5292.3	5118.6
27.5°	5305.7	5232.2	5365.8	4944.8	4657.5
30°	5305.7	5245.5	5105.2	4463.7	4143.0
32.5°	5332.4	5232.2	4704.3	3835.6	3488.1
35°	5372.5	5172.0	4169.7	3187.4	2926.8
37.5°	5425.9	5011.6	3541.6	2666.2	2492.5
40°	5499.4	4664.2	2940.2	2332.1	2278.6
42.5°	5586.3	4156.3	2445.7	2165.0	2165.0
45°	5673.2	3554.9	2071.5	2051.4	2078.2
47.5°	5713.3	2966.9	1864.3	1937.8	1964.6
50°	5646.5	2419.0	1710.6	1810.9	1824.2
52.5°	5412.6	1931.2	1536.9	1657.2	1690.6
55°	4984.9	1536.9	1369.8	1496.8	1503.5
57.5°	4363.5	1222.8	1196.1	1296.3	1289.7
60°	3648.5	989.0	1002.3	1102.6	1102.6
62.5°	2880.0	801.9	842.0	928.8	922.1
65°	2165.0	654.9	694.9	781.8	788.5
67.5°	1597.0	541.3	588.0	648.2	634.8
70°	1115.9	454.4	501.2	534.6	521.2
72.5°	741.7	387.6	441.0	454.4	447.7
75°	494.5	340.8	400.9	400.9	394.2
77.5°	320.7	300.7	374.2	367.5	354.2
80°	200.5	267.3	347.5	334.1	320.7
82.5°	120.3	233.9	327.4	314.1	300.7
85°	53.5	207.1	307.4	307.4	300.7
87.5°	20.0	187.1	287.3	294.0	280.7
90°	0.0	160.4	267.3	260.6	240.6
92.5°	0.0	147.0	240.6	220.5	207.1
95°	0.0	127.0	213.8	193.8	180.4
97.5°	0.0	113.6	193.8	173.7	160.4
100°	0.0	100.2	173.7	153.7	140.3
102.5°	0.0	86.9	160.4	140.3	133.6
105°	0.0	80.2	147.0	133.6	120.3
107.5°	0.0	73.5	133.6	120.3	113.6
110°	0.0	60.1	120.3	113.6	106.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.5	106.9	106.9	106.9
115°	0.0	46.8	100.2	100.2	100.2
117.5°	0.0	40.1	86.9	100.2	100.2
120°	0.0	40.1	80.2	93.6	93.6
122.5°	0.0	33.4	73.5	93.6	93.6
125°	0.0	26.7	66.8	86.9	80.2
127.5°	0.0	20.0	60.1	73.5	73.5
130°	0.0	20.0	53.5	66.8	60.1
132.5°	0.0	13.4	46.8	53.5	53.5
135°	0.0	13.4	40.1	46.8	46.8
137.5°	0.0	13.4	33.4	40.1	33.4
140°	0.0	6.7	26.7	33.4	26.7
142.5°	0.0	6.7	26.7	33.4	26.7
145°	0.0	6.7	20.0	26.7	20.0
147.5°	0.0	6.7	13.4	20.0	20.0
150°	0.0	6.7	13.4	20.0	13.4
152.5°	0.0	6.7	13.4	13.4	6.7
155°	0.0	6.7	6.7	13.4	6.7
157.5°	0.0	6.7	6.7	6.7	6.7
160°	6.7	6.7	6.7	6.7	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)