

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: P218152

Luminaire Tested: **8TSNLED-LD5-130HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218152  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11840.0 lumens  
Efficiency: N/A  
Efficacy: 137.8 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

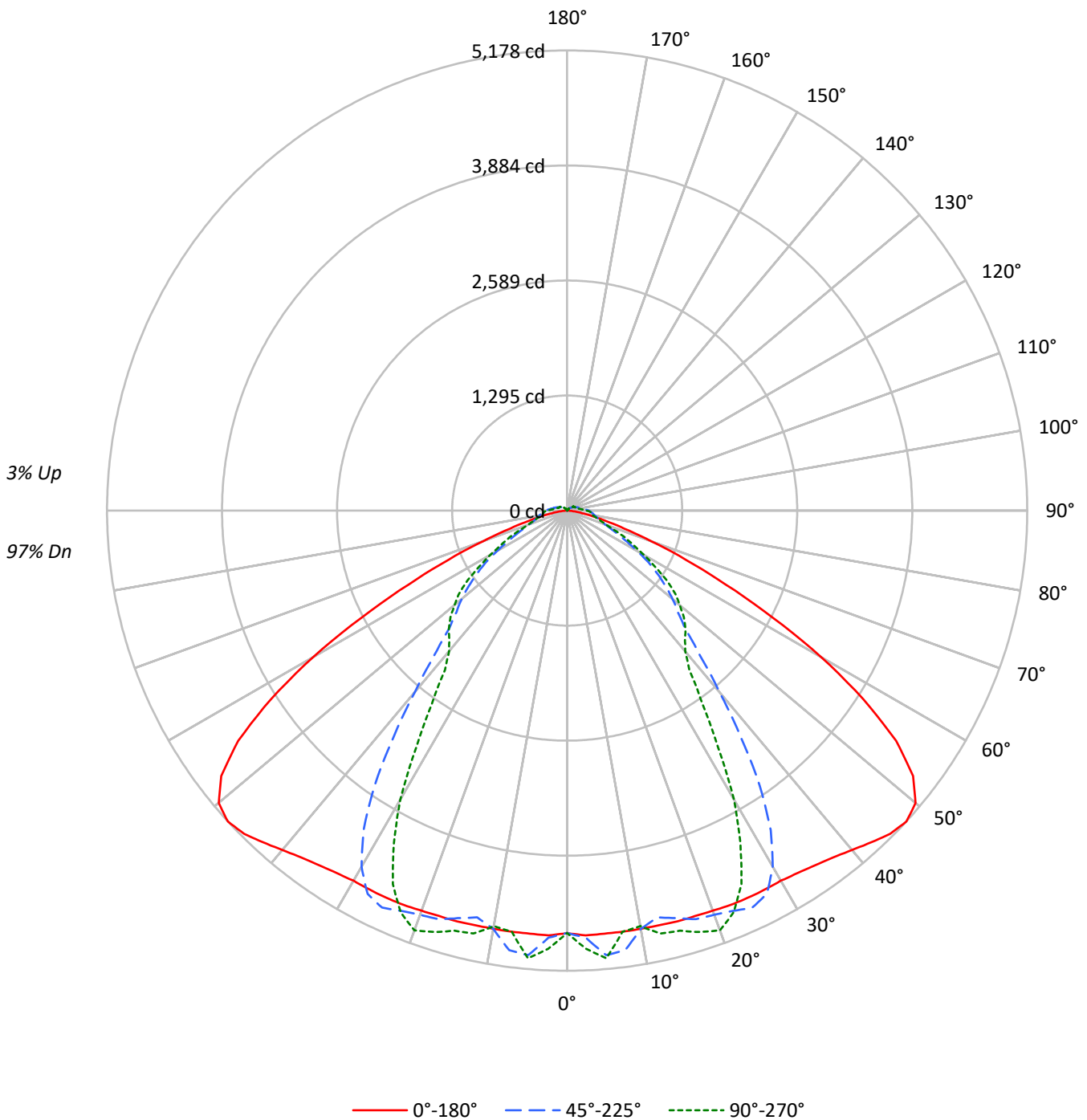
Input Watts (W): 85.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	56	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°	38305	38305	38305
5°	38577	38195	37610
10°	38951	34680	33024
15°	39687	33187	32193
20°	40766	32858	31600
25°	42338	32790	28126
30°	44205	30384	22148
35°	47204	24691	15346
40°	51523	17455	11811
45°	57390	12424	10731
50°	62590	10447	9455
55°	61628	8587	7883
60°	51427	6505	5894
65°	35806	4713	4333
70°	22533	3586	2969
75°	12944	3062	2350
80°	7538	2868	2022
85°	3620	2784	2027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	467.3	3.9
10°-20°	1376.4	11.6
20°-30°	2187.1	18.5
30°-40°	2358.2	19.9
40°-50°	2032.5	17.2
50°-60°	1538.8	13.0
60°-70°	831.3	7.0
70°-80°	394.8	3.3
80°-90°	247.9	2.1
90°-100°	157.8	1.3
100°-110°	100.9	0.9
110°-120°	67.6	0.6
120°-130°	44.6	0.4
130°-140°	21.8	0.2
140°-150°	9.3	0.1
150°-160°	3.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	4030.9	34.0
0°-40°	6389.1	54.0
0°-60°	9960.4	84.1
0°-90°	11434.4	96.6
90°-120°	326.2	2.8
90°-150°	402.0	3.4
90°-180°	406.0	3.4
0°-180°	11840.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4754	4754	4754	4754	4754	
5°	4779	4882	5021	5088	5057	456
15°	4785	4912	4748	4912	4894	1356
25°	4809	4718	4930	4797	4639	2224
35°	4870	4688	3779	2889	2653	3067
45°	5142	3222	1878	1859	1884	3958
55°	4518	1393	1242	1357	1363	3930
65°	1962	594	630	709	715	2015
75°	448	309	363	363	357	528
85°	48	188	279	279	272	70
90°	0	145	242	236	218	2
95°	0	115	194	176	164	0
105°	0	73	133	121	109	0
115°	0	42	91	91	91	0
125°	0	24	61	79	73	0
135°	0	12	36	42	42	0
145°	0	6	18	24	18	0
155°	0	6	6	12	6	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°	4754.4	4754.4	4754.4	4754.4	4754.4
2.5°	4784.7	4790.8	4808.9	4899.8	4936.1
5°	4778.6	4881.6	5020.9	5087.5	5057.2
7.5°	4778.6	4990.6	4990.6	4863.4	4778.6
10°	4778.6	5051.2	4778.6	4754.4	4748.4
12.5°	4778.6	5014.9	4687.8	4857.4	4875.6
15°	4784.7	4911.9	4748.4	4911.9	4893.7
17.5°	4784.7	4790.8	4821.0	4948.2	4972.5
20°	4790.8	4712.0	4839.2	5045.1	5027.0
22.5°	4802.9	4699.9	4875.6	5002.7	4893.7
25°	4808.9	4718.1	4930.1	4796.8	4639.3
27.5°	4808.9	4742.3	4863.4	4481.9	4221.4
30°	4808.9	4754.4	4627.2	4045.8	3755.1
32.5°	4833.2	4742.3	4263.8	3476.5	3161.5
35°	4869.5	4687.8	3779.3	2889.0	2652.8
37.5°	4917.9	4542.4	3210.0	2416.6	2259.1
40°	4984.6	4227.5	2664.9	2113.7	2065.3
42.5°	5063.3	3767.2	2216.7	1962.3	1962.3
45°	5142.0	3222.1	1877.5	1859.4	1883.6
47.5°	5178.4	2689.1	1689.8	1756.4	1780.6
50°	5117.8	2192.5	1550.5	1641.3	1653.4
52.5°	4905.8	1750.4	1393.0	1502.0	1532.3
55°	4518.2	1393.0	1241.6	1356.7	1362.7
57.5°	3954.9	1108.4	1084.1	1175.0	1168.9
60°	3306.9	896.4	908.5	999.3	999.3
62.5°	2610.4	726.8	763.1	841.9	835.8
65°	1962.3	593.5	629.9	708.6	714.7
67.5°	1447.5	490.6	533.0	587.5	575.4
70°	1011.4	411.8	454.2	484.5	472.4
72.5°	672.3	351.3	399.7	411.8	405.8
75°	448.2	308.9	363.4	363.4	357.3
77.5°	290.7	272.5	339.2	333.1	321.0
80°	181.7	242.3	314.9	302.8	290.7
82.5°	109.0	212.0	296.8	284.7	272.5
85°	48.5	187.8	278.6	278.6	272.5
87.5°	18.2	169.6	260.4	266.5	254.4
90°	0.0	145.4	242.3	236.2	218.0
92.5°	0.0	133.2	218.0	199.9	187.8
95°	0.0	115.1	193.8	175.6	163.5
97.5°	0.0	103.0	175.6	157.5	145.4
100°	0.0	90.8	157.5	139.3	127.2
102.5°	0.0	78.7	145.4	127.2	121.1
105°	0.0	72.7	133.2	121.1	109.0
107.5°	0.0	66.6	121.1	109.0	103.0
110°	0.0	54.5	109.0	103.0	96.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.5	96.9	96.9	96.9
115°	0.0	42.4	90.8	90.8	90.8
117.5°	0.0	36.3	78.7	90.8	90.8
120°	0.0	36.3	72.7	84.8	84.8
122.5°	0.0	30.3	66.6	84.8	84.8
125°	0.0	24.2	60.6	78.7	72.7
127.5°	0.0	18.2	54.5	66.6	66.6
130°	0.0	18.2	48.5	60.6	54.5
132.5°	0.0	12.1	42.4	48.5	48.5
135°	0.0	12.1	36.3	42.4	42.4
137.5°	0.0	12.1	30.3	36.3	30.3
140°	0.0	6.1	24.2	30.3	24.2
142.5°	0.0	6.1	24.2	30.3	24.2
145°	0.0	6.1	18.2	24.2	18.2
147.5°	0.0	6.1	12.1	18.2	18.2
150°	0.0	6.1	12.1	18.2	12.1
152.5°	0.0	6.1	12.1	12.1	6.1
155°	0.0	6.1	6.1	12.1	6.1
157.5°	0.0	6.1	6.1	6.1	6.1
160°	6.1	6.1	6.1	6.1	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)