

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: P218147

Luminaire Tested: **8TSNLED-LD5-105SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218147
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-LD5-105SL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10451.0 lumens
Efficiency: N/A
Efficacy: 122.0 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

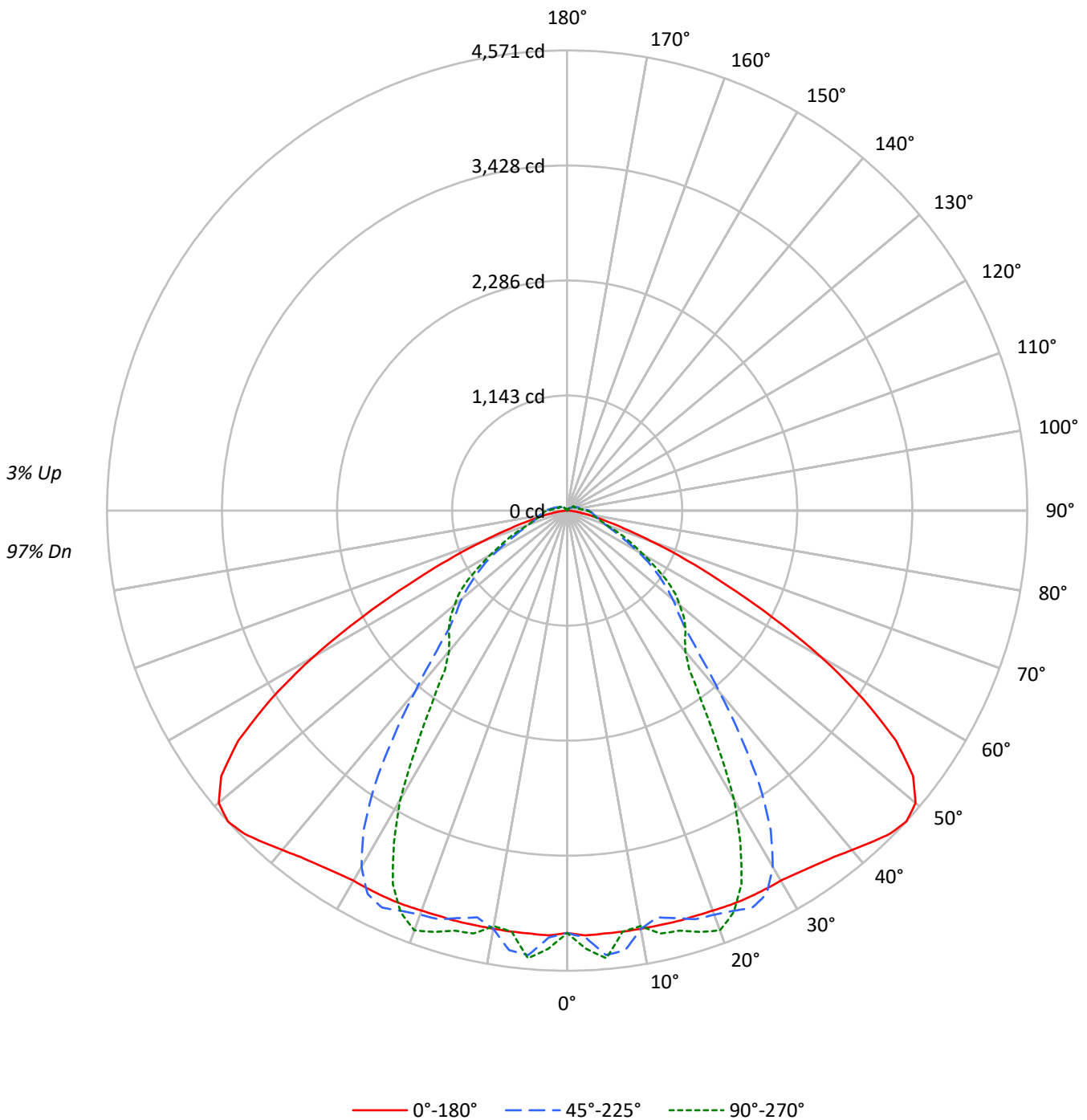
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33812	33812	33812
5°	34051	33714	33199
10°	34381	30612	29150
15°	35032	29294	28416
20°	35983	29003	27892
25°	37371	28943	24827
30°	39020	26820	19550
35°	41666	21794	13546
40°	45478	15408	10425
45°	50658	10967	9472
50°	55248	9221	8347
55°	54399	7580	6959
60°	45393	5742	5203
65°	31606	4160	3824
70°	19891	3166	2621
75°	11425	2703	2075
80°	6654	2532	1785
85°	3194	2457	1789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.5	3.9
10°-20°	1215.0	11.6
20°-30°	1930.5	18.5
30°-40°	2081.6	19.9
40°-50°	1794.1	17.2
50°-60°	1358.3	13.0
60°-70°	733.8	7.0
70°-80°	348.5	3.3
80°-90°	218.8	2.1
90°-100°	139.2	1.3
100°-110°	89.1	0.9
110°-120°	59.6	0.6
120°-130°	39.4	0.4
130°-140°	19.3	0.2
140°-150°	8.2	0.1
150°-160°	3.0	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3558.0	34.0
0°-40°	5639.6	54.0
0°-60°	8791.9	84.1
0°-90°	10093.0	96.6
90°-120°	288.0	2.8
90°-150°	354.8	3.4
90°-180°	358.0	3.4
0°-180°	10451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4197	4197	4197	4197	4197	
5°	4218	4309	4432	4491	4464	403
15°	4223	4336	4191	4336	4320	1197
25°	4245	4165	4352	4234	4095	1963
35°	4298	4138	3336	2550	2342	2707
45°	4539	2844	1657	1641	1663	3494
55°	3988	1230	1096	1198	1203	3469
65°	1732	524	556	626	631	1779
75°	396	273	321	321	315	466
85°	43	166	246	246	241	62
90°	0	128	214	208	192	2
95°	0	102	171	155	144	0
105°	0	64	118	107	96	0
115°	0	37	80	80	80	0
125°	0	21	54	70	64	0
135°	0	11	32	37	37	0
145°	0	5	16	21	16	0
155°	0	5	5	11	5	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°	4196.7	4196.7	4196.7	4196.7	4196.7
2.5°	4223.4	4228.7	4244.8	4325.0	4357.0
5°	4218.0	4308.9	4431.9	4490.7	4464.0
7.5°	4218.0	4405.2	4405.2	4292.9	4218.0
10°	4218.0	4458.6	4218.0	4196.7	4191.3
12.5°	4218.0	4426.5	4137.9	4287.5	4303.6
15°	4223.4	4335.7	4191.3	4335.7	4319.6
17.5°	4223.4	4228.7	4255.5	4367.7	4389.1
20°	4228.7	4159.2	4271.5	4453.3	4437.2
22.5°	4239.4	4148.5	4303.6	4415.8	4319.6
25°	4244.8	4164.6	4351.7	4234.1	4095.1
27.5°	4244.8	4186.0	4292.9	3956.1	3726.2
30°	4244.8	4196.7	4084.4	3571.2	3314.6
32.5°	4266.2	4186.0	3763.6	3068.6	2790.6
35°	4298.2	4137.9	3335.9	2550.1	2341.6
37.5°	4341.0	4009.5	2833.4	2133.1	1994.1
40°	4399.8	3731.6	2352.3	1865.8	1823.0
42.5°	4469.3	3325.2	1956.7	1732.1	1732.1
45°	4538.8	2844.1	1657.3	1641.2	1662.6
47.5°	4570.9	2373.7	1491.6	1550.4	1571.7
50°	4517.4	1935.3	1368.6	1448.8	1459.5
52.5°	4330.3	1545.0	1229.6	1325.8	1352.6
55°	3988.2	1229.6	1095.9	1197.5	1202.9
57.5°	3491.0	978.3	956.9	1037.1	1031.8
60°	2918.9	791.2	801.9	882.1	882.1
62.5°	2304.2	641.5	673.6	743.1	737.8
65°	1732.1	523.9	556.0	625.5	630.8
67.5°	1277.7	433.0	470.5	518.6	507.9
70°	892.8	363.5	401.0	427.7	417.0
72.5°	593.4	310.1	352.8	363.5	358.2
75°	395.6	272.6	320.8	320.8	315.4
77.5°	256.6	240.6	299.4	294.0	283.3
80°	160.4	213.8	278.0	267.3	256.6
82.5°	96.2	187.1	262.0	251.3	240.6
85°	42.8	165.7	245.9	245.9	240.6
87.5°	16.0	149.7	229.9	235.2	224.5
90°	0.0	128.3	213.8	208.5	192.5
92.5°	0.0	117.6	192.5	176.4	165.7
95°	0.0	101.6	171.1	155.0	144.3
97.5°	0.0	90.9	155.0	139.0	128.3
100°	0.0	80.2	139.0	123.0	112.3
102.5°	0.0	69.5	128.3	112.3	106.9
105°	0.0	64.2	117.6	106.9	96.2
107.5°	0.0	58.8	106.9	96.2	90.9
110°	0.0	48.1	96.2	90.9	85.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.8	85.5	85.5	85.5
115°	0.0	37.4	80.2	80.2	80.2
117.5°	0.0	32.1	69.5	80.2	80.2
120°	0.0	32.1	64.2	74.8	74.8
122.5°	0.0	26.7	58.8	74.8	74.8
125°	0.0	21.4	53.5	69.5	64.2
127.5°	0.0	16.0	48.1	58.8	58.8
130°	0.0	16.0	42.8	53.5	48.1
132.5°	0.0	10.7	37.4	42.8	42.8
135°	0.0	10.7	32.1	37.4	37.4
137.5°	0.0	10.7	26.7	32.1	26.7
140°	0.0	5.3	21.4	26.7	21.4
142.5°	0.0	5.3	21.4	26.7	21.4
145°	0.0	5.3	16.0	21.4	16.0
147.5°	0.0	5.3	10.7	16.0	16.0
150°	0.0	5.3	10.7	16.0	10.7
152.5°	0.0	5.3	10.7	10.7	5.3
155°	0.0	5.3	5.3	10.7	5.3
157.5°	0.0	5.3	5.3	5.3	5.3
160°	5.3	5.3	5.3	5.3	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)