

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: P218148

Luminaire Tested: **8TSNLED-LD5-105SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218148
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11102.0 lumens
Efficiency: N/A
Efficacy: 129.6 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

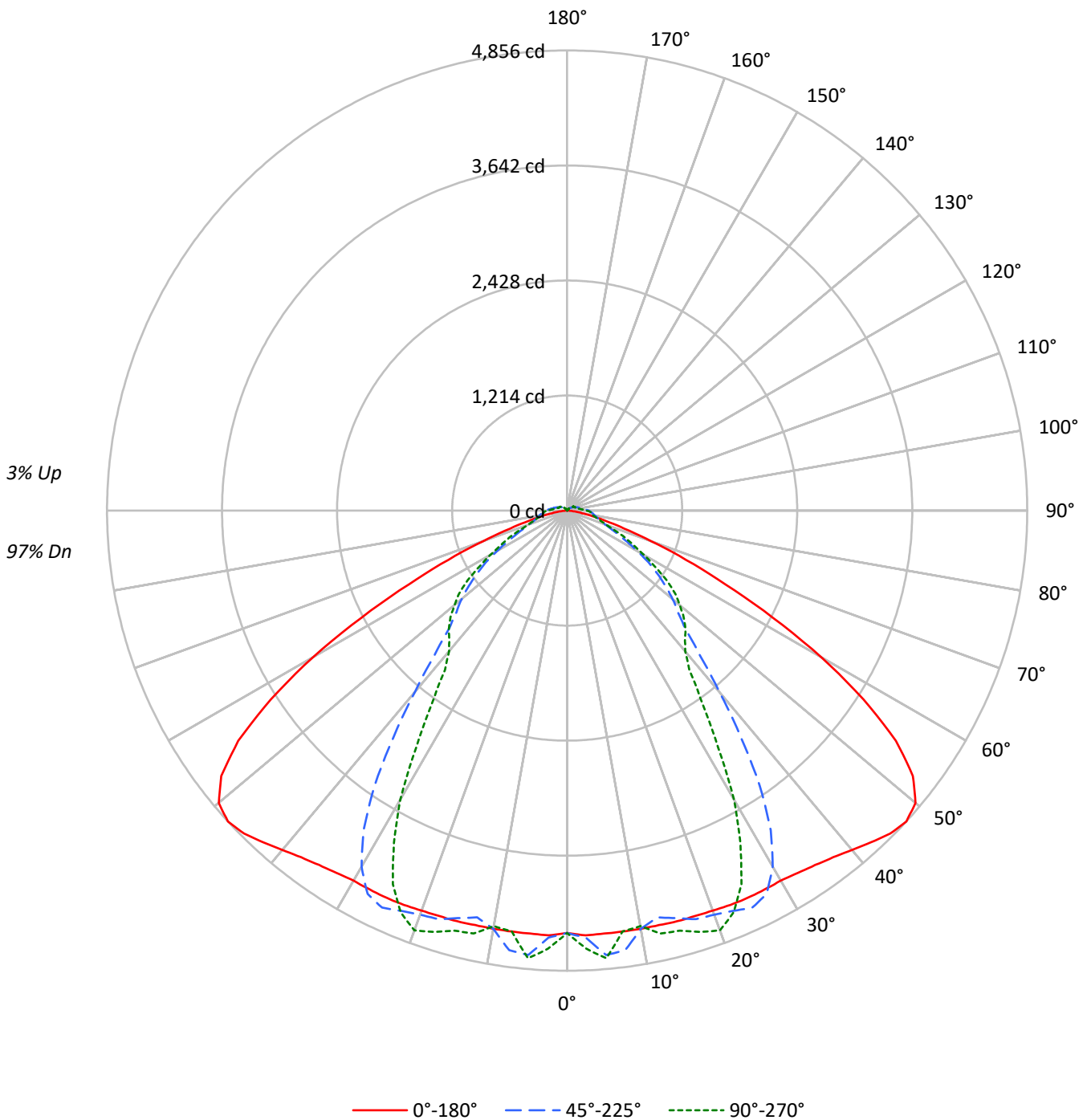
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	35918	35918	35918
5°	36173	35814	35266
10°	36523	32519	30966
15°	37214	31119	30186
20°	38224	30810	29630
25°	39699	30746	26374
30°	41450	28491	20767
35°	44262	23152	14389
40°	48311	16367	11075
45°	53813	11650	10062
50°	58689	9795	8866
55°	57787	8052	7392
60°	48222	6100	5526
65°	33575	4419	4063
70°	21129	3363	2785
75°	12138	2871	2204
80°	7069	2690	1896
85°	3388	2610	1901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	3.9
10°-20°	1290.6	11.6
20°-30°	2050.8	18.5
30°-40°	2211.2	19.9
40°-50°	1905.9	17.2
50°-60°	1442.9	13.0
60°-70°	779.5	7.0
70°-80°	370.2	3.3
80°-90°	232.5	2.1
90°-100°	147.9	1.3
100°-110°	94.6	0.9
110°-120°	63.4	0.6
120°-130°	41.8	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°	3779.6	34.0
0°-40°	5990.9	54.0
0°-60°	9339.6	84.1
0°-90°	10721.7	96.6
90°-120°	305.9	2.8
90°-150°	376.9	3.4
90°-180°	380.0	3.4
0°-180°	11102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4458	4458	4458	4458	4458	
5°	4481	4577	4708	4770	4742	428
15°	4486	4606	4452	4606	4589	1272
25°	4509	4424	4623	4498	4350	2086
35°	4566	4396	3544	2709	2487	2876
45°	4822	3021	1760	1744	1766	3712
55°	4237	1306	1164	1272	1278	3685
65°	1840	556	591	664	670	1890
75°	420	290	341	341	335	495
85°	45	176	261	261	256	66
90°	0	136	227	222	204	2
95°	0	108	182	165	153	0
105°	0	68	125	114	102	0
115°	0	40	85	85	85	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4458.1	4458.1	4458.1	4458.1	4458.1
2.5°	4486.5	4492.1	4509.2	4594.4	4628.4
5°	4480.8	4577.3	4707.9	4770.4	4742.0
7.5°	4480.8	4679.6	4679.6	4560.3	4480.8
10°	4480.8	4736.3	4480.8	4458.1	4452.4
12.5°	4480.8	4702.3	4395.6	4554.6	4571.7
15°	4486.5	4605.7	4452.4	4605.7	4588.7
17.5°	4486.5	4492.1	4520.5	4639.8	4662.5
20°	4492.1	4418.3	4537.6	4730.7	4713.6
22.5°	4503.5	4407.0	4571.7	4690.9	4588.7
25°	4509.2	4424.0	4622.8	4497.8	4350.2
27.5°	4509.2	4446.7	4560.3	4202.5	3958.3
30°	4509.2	4458.1	4338.8	3793.6	3521.0
32.5°	4531.9	4446.7	3998.1	3259.8	2964.5
35°	4566.0	4395.6	3543.7	2708.9	2487.4
37.5°	4611.4	4259.3	3009.9	2265.9	2118.3
40°	4673.9	3964.0	2498.8	1982.0	1936.6
42.5°	4747.7	3532.4	2078.5	1840.0	1840.0
45°	4821.5	3021.3	1760.5	1743.5	1766.2
47.5°	4855.6	2521.5	1584.5	1646.9	1669.6
50°	4798.8	2055.8	1453.8	1539.0	1550.4
52.5°	4600.0	1641.3	1306.2	1408.4	1436.8
55°	4236.6	1306.2	1164.2	1272.1	1277.8
57.5°	3708.4	1039.3	1016.6	1101.7	1096.1
60°	3100.8	840.5	851.9	937.0	937.0
62.5°	2447.7	681.5	715.6	789.4	783.7
65°	1840.0	556.5	590.6	664.5	670.1
67.5°	1357.3	460.0	499.8	550.9	539.5
70°	948.4	386.2	425.9	454.3	443.0
72.5°	630.4	329.4	374.8	386.2	380.5
75°	420.3	289.6	340.7	340.7	335.1
77.5°	272.6	255.6	318.0	312.3	301.0
80°	170.4	227.2	295.3	284.0	272.6
82.5°	102.2	198.8	278.3	266.9	255.6
85°	45.4	176.1	261.2	261.2	255.6
87.5°	17.0	159.0	244.2	249.9	238.5
90°	0.0	136.3	227.2	221.5	204.4
92.5°	0.0	124.9	204.4	187.4	176.1
95°	0.0	107.9	181.7	164.7	153.3
97.5°	0.0	96.5	164.7	147.7	136.3
100°	0.0	85.2	147.7	130.6	119.3
102.5°	0.0	73.8	136.3	119.3	113.6
105°	0.0	68.1	124.9	113.6	102.2
107.5°	0.0	62.5	113.6	102.2	96.5
110°	0.0	51.1	102.2	96.5	90.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.4	90.9	90.9	90.9
115°	0.0	39.8	85.2	85.2	85.2
117.5°	0.0	34.1	73.8	85.2	85.2
120°	0.0	34.1	68.1	79.5	79.5
122.5°	0.0	28.4	62.5	79.5	79.5
125°	0.0	22.7	56.8	73.8	68.1
127.5°	0.0	17.0	51.1	62.5	62.5
130°	0.0	17.0	45.4	56.8	51.1
132.5°	0.0	11.4	39.8	45.4	45.4
135°	0.0	11.4	34.1	39.8	39.8
137.5°	0.0	11.4	28.4	34.1	28.4
140°	0.0	5.7	22.7	28.4	22.7
142.5°	0.0	5.7	22.7	28.4	22.7
145°	0.0	5.7	17.0	22.7	17.0
147.5°	0.0	5.7	11.4	17.0	17.0
150°	0.0	5.7	11.4	17.0	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)