

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: P218268

Luminaire Tested: **8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10779.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

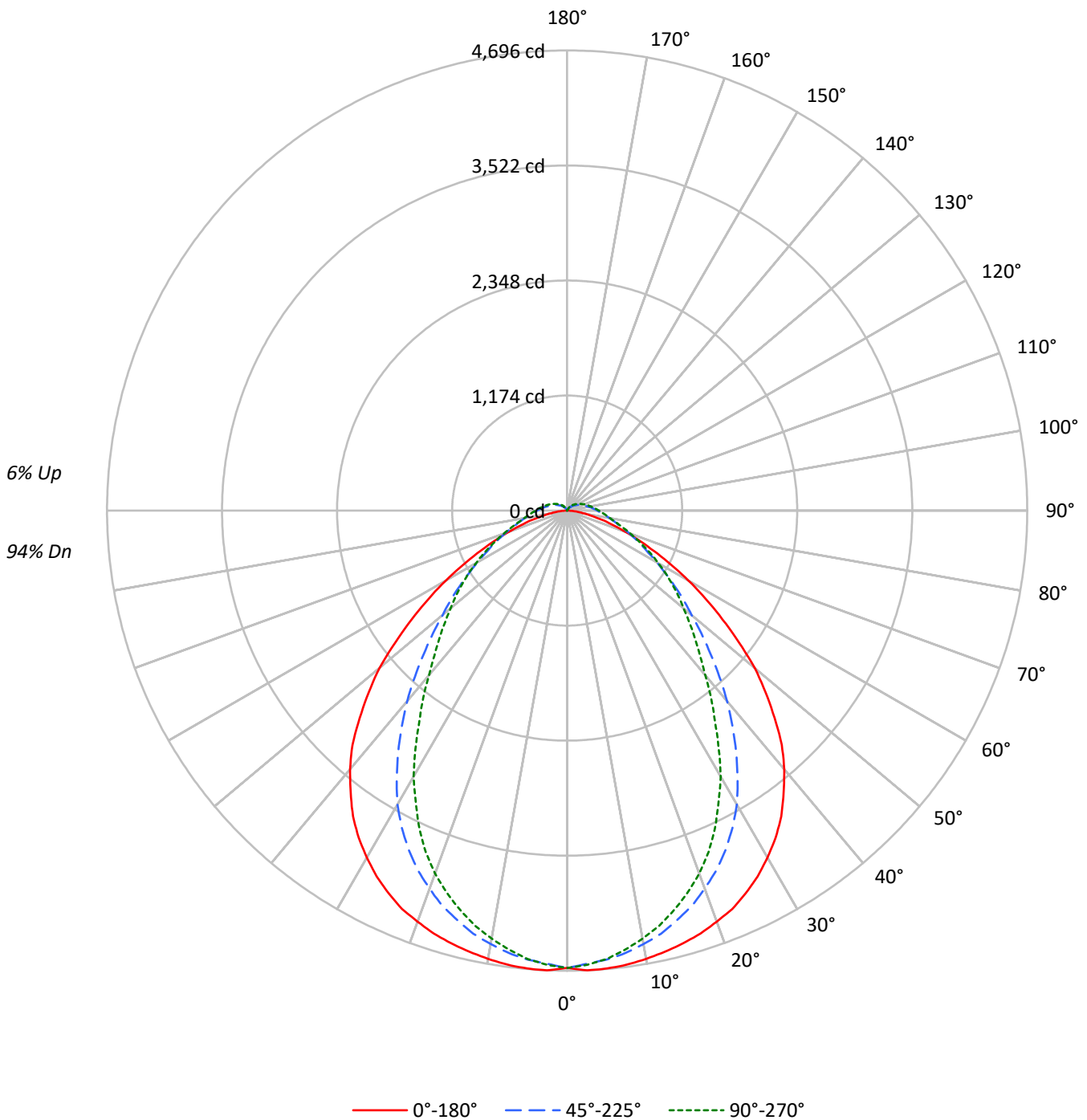
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218268

CATALOG NUMBER: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218268

CATALOG NUMBER: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37610	37610	37610
5°	37868	34993	34168
10°	37865	32601	30847
15°	37920	30245	27757
20°	37983	27879	24774
25°	37948	25420	21656
30°	37587	22748	18489
35°	36939	19627	15211
40°	35631	16627	12536
45°	33403	13679	10515
50°	30560	11173	8866
55°	26414	9231	7556
60°	22256	7564	6330
65°	17824	6288	5233
70°	14045	5291	4320
75°	10824	4498	3587
80°	7774	3983	3081
85°	5083	3632	2787



TEST NUMBER: P218268

CATALOG NUMBER: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.9	4.1
10°-20°	1231.7	11.4
20°-30°	1783.6	16.5
30°-40°	1941.2	18.0
40°-50°	1724.0	16.0
50°-60°	1312.3	12.2
60°-70°	871.3	8.1
70°-80°	530.9	4.9
80°-90°	329.0	3.1
90°-100°	224.7	2.1
100°-110°	157.7	1.5
110°-120°	107.4	1.0
120°-130°	68.1	0.6
130°-140°	38.7	0.4
140°-150°	18.2	0.2
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3454.1	32.0
0°-40°	5395.3	50.1
0°-60°	8431.7	78.2
0°-90°	10162.9	94.3
90°-120°	489.8	4.5
90°-150°	614.8	5.7
90°-180°	616.0	5.7
0°-180°	10779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4668	4668	4668	4668	4668	
5°	4691	4662	4600	4623	4594	446
15°	4572	4492	4327	4276	4220	1292
25°	4310	4117	3822	3669	3572	1985
35°	3811	3470	3004	2743	2629	2374
45°	2993	2544	2067	1891	1846	2305
55°	1936	1573	1335	1312	1306	1737
65°	977	840	840	875	863	985
75°	375	426	534	562	545	405
85°	68	216	364	386	375	81
90°	0	159	307	335	324	5
95°	0	125	261	290	284	0
105°	0	80	187	216	216	0
115°	0	51	136	165	159	0
125°	0	34	91	114	114	0
135°	0	23	62	80	80	0
145°	0	11	34	45	45	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218268

CATALOG NUMBER: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4668.1	4668.1	4668.1	4668.1	4668.1
2.5°	4696.5	4673.8	4628.4	4656.8	4639.7
5°	4690.8	4662.4	4600.0	4622.7	4594.3
7.5°	4673.8	4639.7	4554.5	4565.9	4520.5
10°	4645.4	4600.0	4492.1	4480.7	4435.3
12.5°	4611.3	4554.5	4423.9	4384.2	4338.7
15°	4571.6	4492.1	4327.4	4276.3	4219.5
17.5°	4526.1	4418.2	4230.8	4151.3	4088.9
20°	4463.7	4333.1	4105.9	4009.4	3941.2
22.5°	4401.2	4230.8	3975.3	3844.7	3770.8
25°	4310.3	4117.3	3822.0	3668.6	3572.1
27.5°	4208.1	3986.6	3651.6	3452.8	3344.9
30°	4088.9	3833.3	3464.2	3231.3	3134.8
32.5°	3958.3	3662.9	3237.0	2987.1	2879.2
35°	3810.6	3469.9	3004.2	2742.9	2629.4
37.5°	3628.9	3259.7	2771.3	2504.4	2413.6
40°	3447.1	3038.3	2538.5	2288.6	2192.1
42.5°	3242.7	2794.1	2300.0	2072.8	2004.7
45°	2992.8	2544.2	2067.1	1891.1	1845.7
47.5°	2748.6	2288.6	1857.0	1732.1	1692.3
50°	2498.8	2038.8	1658.3	1578.8	1550.4
52.5°	2209.1	1794.6	1493.6	1442.5	1431.1
55°	1936.5	1573.1	1334.6	1311.8	1306.2
57.5°	1675.3	1363.0	1186.9	1203.9	1192.6
60°	1431.1	1169.9	1056.3	1079.0	1073.3
62.5°	1192.6	993.8	937.0	982.5	971.1
65°	976.8	840.5	840.5	874.6	863.2
67.5°	789.4	715.6	749.6	783.7	772.3
70°	630.4	602.0	670.1	698.5	687.2
72.5°	488.4	505.4	590.6	624.7	607.7
75°	374.8	425.9	533.8	562.2	545.2
77.5°	266.9	357.8	482.7	505.4	488.4
80°	187.4	301.0	437.3	460.0	443.0
82.5°	119.3	255.6	397.5	420.2	408.9
85°	68.1	215.8	363.5	386.2	374.8
87.5°	34.1	187.4	329.4	357.8	346.4
90°	0.0	159.0	306.7	335.1	323.7
92.5°	0.0	142.0	283.9	312.3	301.0
95°	0.0	124.9	261.2	289.6	283.9
97.5°	0.0	113.6	244.2	272.6	261.2
100°	0.0	96.5	221.5	249.9	244.2
102.5°	0.0	90.9	204.4	232.8	227.2
105°	0.0	79.5	187.4	215.8	215.8
107.5°	0.0	73.8	176.0	204.4	198.8
110°	0.0	62.5	159.0	187.4	187.4



TEST NUMBER: P218268

CATALOG NUMBER: 8TSNLED-LD5-106SL-LN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.8	147.7	176.0	170.4
115°	0.0	51.1	136.3	164.7	159.0
117.5°	0.0	51.1	124.9	147.7	147.7
120°	0.0	45.4	113.6	136.3	136.3
122.5°	0.0	39.8	102.2	124.9	124.9
125°	0.0	34.1	90.9	113.6	113.6
127.5°	0.0	34.1	85.2	107.9	107.9
130°	0.0	28.4	73.8	96.5	96.5
132.5°	0.0	22.7	68.1	85.2	85.2
135°	0.0	22.7	62.5	79.5	79.5
137.5°	0.0	17.0	51.1	68.1	68.1
140°	0.0	17.0	45.4	62.5	62.5
142.5°	0.0	11.4	39.8	56.8	51.1
145°	0.0	11.4	34.1	45.4	45.4
147.5°	0.0	5.7	28.4	39.8	39.8
150°	0.0	5.7	22.7	34.1	28.4
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)