

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: P218140

Luminaire Tested: **8TSNLED-LD5-90SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218140
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-LD5-90SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9415.0 lumens
Efficiency: N/A
Efficacy: 136.1 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

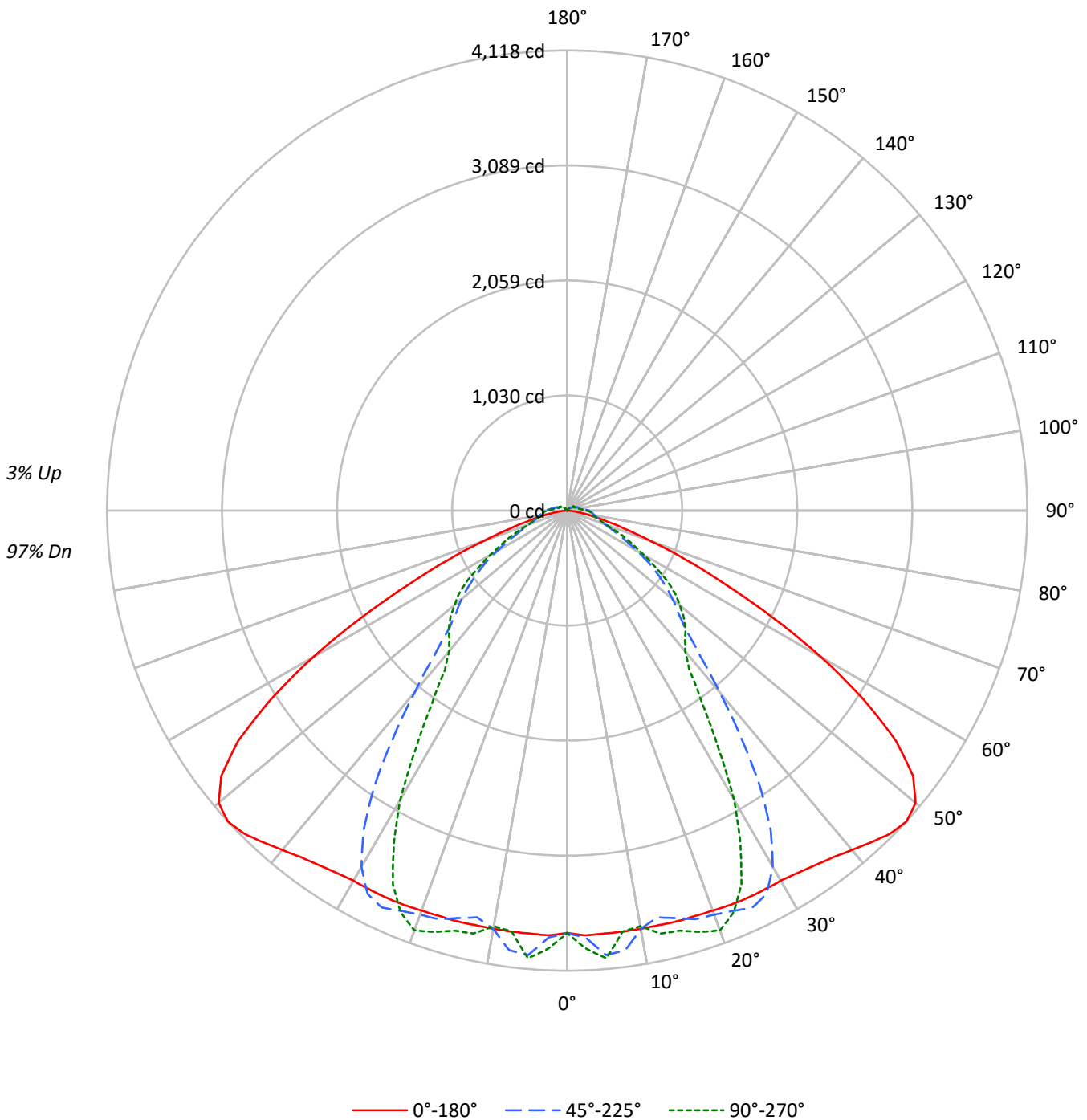
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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	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	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	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	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	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	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	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	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	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30460	30460	30460
5°	30676	30372	29908
10°	30973	27577	26260
15°	31559	26390	25599
20°	32416	26128	25128
25°	33667	26074	22366
30°	35152	24161	17611
35°	37537	19634	12203
40°	40970	13880	9392
45°	45637	9880	8533
50°	49771	8307	7519
55°	49006	6829	6269
60°	40894	5173	4687
65°	28473	3748	3445
70°	17919	2852	2362
75°	10293	2435	1870
80°	5995	2281	1608
85°	2873	2213	1612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.6	3.9
10°-20°	1094.5	11.6
20°-30°	1739.2	18.5
30°-40°	1875.2	19.9
40°-50°	1616.3	17.2
50°-60°	1223.6	13.0
60°-70°	661.0	7.0
70°-80°	314.0	3.3
80°-90°	197.1	2.1
90°-100°	125.4	1.3
100°-110°	80.3	0.9
110°-120°	53.7	0.6
120°-130°	35.5	0.4
130°-140°	17.3	0.2
140°-150°	7.4	0.1
150°-160°	2.7	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3205.3	34.0
0°-40°	5080.5	54.0
0°-60°	7920.4	84.1
0°-90°	9092.5	96.6
90°-120°	259.4	2.8
90°-150°	319.6	3.4
90°-180°	322.0	3.4
0°-180°	9415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3781	3781	3781	3781	3781	
5°	3800	3882	3993	4046	4022	363
15°	3805	3906	3776	3906	3891	1078
25°	3824	3752	3920	3814	3689	1769
35°	3872	3728	3005	2297	2110	2439
45°	4089	2562	1493	1478	1498	3148
55°	3593	1108	987	1079	1084	3125
65°	1560	472	501	564	568	1602
75°	356	246	289	289	284	420
85°	38	149	222	222	217	56
90°	0	116	193	188	173	2
95°	0	92	154	140	130	0
105°	0	58	106	96	87	0
115°	0	34	72	72	72	0
125°	0	19	48	63	58	0
135°	0	10	29	34	34	0
145°	0	5	14	19	14	0
155°	0	5	5	10	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°	3780.6	3780.6	3780.6	3780.6	3780.6
2.5°	3804.7	3809.5	3824.0	3896.2	3925.1
5°	3799.9	3881.8	3992.6	4045.5	4021.5
7.5°	3799.9	3968.5	3968.5	3867.3	3799.9
10°	3799.9	4016.6	3799.9	3780.6	3775.8
12.5°	3799.9	3987.7	3727.7	3862.5	3877.0
15°	3804.7	3905.9	3775.8	3905.9	3891.4
17.5°	3804.7	3809.5	3833.6	3934.8	3954.0
20°	3809.5	3746.9	3848.1	4011.8	3997.4
22.5°	3819.2	3737.3	3877.0	3978.1	3891.4
25°	3824.0	3751.7	3920.3	3814.4	3689.1
27.5°	3824.0	3771.0	3867.3	3563.9	3356.8
30°	3824.0	3780.6	3679.5	3217.2	2986.0
32.5°	3843.3	3771.0	3390.5	2764.4	2514.0
35°	3872.2	3727.7	3005.3	2297.3	2109.5
37.5°	3910.7	3612.1	2552.5	1921.6	1796.4
40°	3963.7	3361.6	2119.1	1680.8	1642.3
42.5°	4026.3	2995.6	1762.7	1560.4	1560.4
45°	4088.9	2562.2	1493.0	1478.5	1497.8
47.5°	4117.8	2138.4	1343.7	1396.7	1415.9
50°	4069.6	1743.4	1232.9	1305.2	1314.8
52.5°	3901.0	1391.9	1107.7	1194.4	1218.5
55°	3592.8	1107.7	987.3	1078.8	1083.6
57.5°	3144.9	881.3	862.1	934.3	929.5
60°	2629.6	712.8	722.4	794.7	794.7
62.5°	2075.7	577.9	606.8	669.4	664.6
65°	1560.4	472.0	500.9	563.5	568.3
67.5°	1151.1	390.1	423.8	467.2	457.5
70°	804.3	327.5	361.2	385.3	375.7
72.5°	534.6	279.3	317.9	327.5	322.7
75°	356.4	245.6	289.0	289.0	284.2
77.5°	231.2	216.7	269.7	264.9	255.3
80°	144.5	192.6	250.4	240.8	231.2
82.5°	86.7	168.6	236.0	226.4	216.7
85°	38.5	149.3	221.5	221.5	216.7
87.5°	14.4	134.9	207.1	211.9	202.3
90°	0.0	115.6	192.6	187.8	173.4
92.5°	0.0	106.0	173.4	158.9	149.3
95°	0.0	91.5	154.1	139.7	130.0
97.5°	0.0	81.9	139.7	125.2	115.6
100°	0.0	72.2	125.2	110.8	101.1
102.5°	0.0	62.6	115.6	101.1	96.3
105°	0.0	57.8	106.0	96.3	86.7
107.5°	0.0	53.0	96.3	86.7	81.9
110°	0.0	43.3	86.7	81.9	77.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.5	77.1	77.1	77.1
115°	0.0	33.7	72.2	72.2	72.2
117.5°	0.0	28.9	62.6	72.2	72.2
120°	0.0	28.9	57.8	67.4	67.4
122.5°	0.0	24.1	53.0	67.4	67.4
125°	0.0	19.3	48.2	62.6	57.8
127.5°	0.0	14.4	43.3	53.0	53.0
130°	0.0	14.4	38.5	48.2	43.3
132.5°	0.0	9.6	33.7	38.5	38.5
135°	0.0	9.6	28.9	33.7	33.7
137.5°	0.0	9.6	24.1	28.9	24.1
140°	0.0	4.8	19.3	24.1	19.3
142.5°	0.0	4.8	19.3	24.1	19.3
145°	0.0	4.8	14.4	19.3	14.4
147.5°	0.0	4.8	9.6	14.4	14.4
150°	0.0	4.8	9.6	14.4	9.6
152.5°	0.0	4.8	9.6	9.6	4.8
155°	0.0	4.8	4.8	9.6	4.8
157.5°	0.0	4.8	4.8	4.8	4.8
160°	4.8	4.8	4.8	4.8	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)