

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: P218142

Luminaire Tested: **8TSNLED-LD5-90SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218142
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10388.0 lumens
Efficiency: N/A
Efficacy: 150.2 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

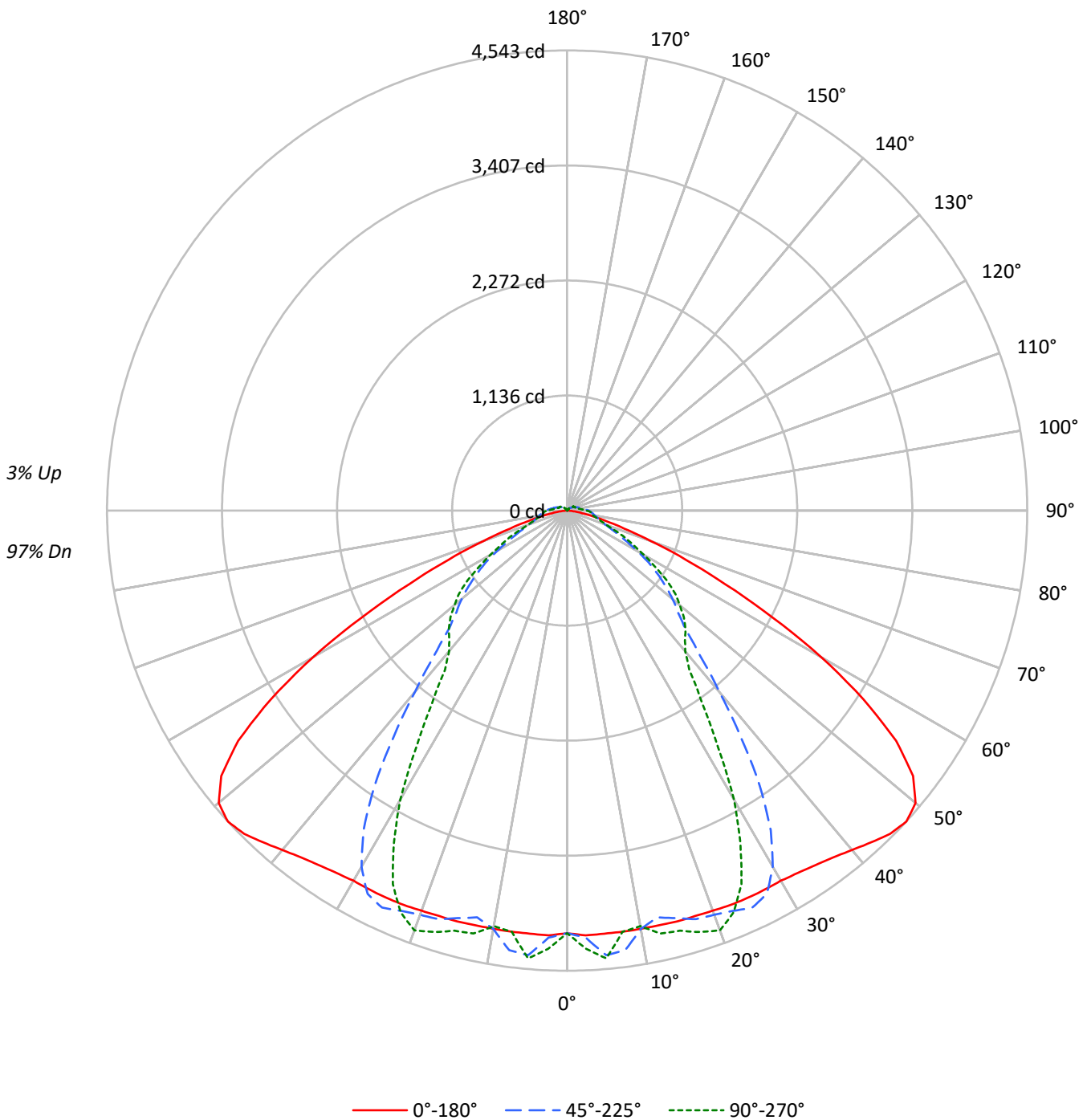
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	57	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°	33608	33608	33608
5°	33846	33511	32998
10°	34174	30427	28974
15°	34820	29117	28245
20°	35766	28829	27724
25°	37146	28769	24677
30°	38785	26659	19432
35°	41415	21663	13464
40°	45204	15315	10362
45°	50352	10901	9415
50°	54915	9165	8296
55°	54070	7534	6916
60°	45121	5708	5171
65°	31416	4134	3801
70°	19770	3147	2606
75°	11355	2686	2062
80°	6613	2517	1774
85°	3172	2442	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.0	3.9
10°-20°	1207.6	11.6
20°-30°	1918.9	18.5
30°-40°	2069.0	19.9
40°-50°	1783.3	17.2
50°-60°	1350.1	13.0
60°-70°	729.3	7.0
70°-80°	346.4	3.3
80°-90°	217.5	2.1
90°-100°	138.4	1.3
100°-110°	88.6	0.9
110°-120°	59.3	0.6
120°-130°	39.1	0.4
130°-140°	19.1	0.2
140°-150°	8.1	0.1
150°-160°	2.9	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3536.5	34.0
0°-40°	5605.6	54.0
0°-60°	8738.9	84.1
0°-90°	10032.1	96.6
90°-120°	286.3	2.8
90°-150°	352.7	3.4
90°-180°	356.0	3.4
0°-180°	10388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4171	4171	4171	4171	4171	
5°	4193	4283	4405	4464	4437	400
15°	4198	4310	4166	4310	4294	1190
25°	4219	4140	4326	4209	4070	1952
35°	4272	4113	3316	2535	2328	2691
45°	4511	2827	1647	1631	1653	3473
55°	3964	1222	1089	1190	1196	3448
65°	1722	521	553	622	627	1768
75°	393	271	319	319	314	463
85°	42	165	244	244	239	61
90°	0	128	213	207	191	2
95°	0	101	170	154	144	0
105°	0	64	117	106	96	0
115°	0	37	80	80	80	0
125°	0	21	53	69	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°	4171.4	4171.4	4171.4	4171.4	4171.4
2.5°	4197.9	4203.2	4219.2	4298.9	4330.8
5°	4192.6	4283.0	4405.2	4463.6	4437.1
7.5°	4192.6	4378.6	4378.6	4267.0	4192.6
10°	4192.6	4431.7	4192.6	4171.4	4166.0
12.5°	4192.6	4399.9	4112.9	4261.7	4277.6
15°	4197.9	4309.5	4166.0	4309.5	4293.6
17.5°	4197.9	4203.2	4229.8	4341.4	4362.7
20°	4203.2	4134.2	4245.8	4426.4	4410.5
22.5°	4213.9	4123.5	4277.6	4389.2	4293.6
25°	4219.2	4139.5	4325.5	4208.6	4070.4
27.5°	4219.2	4160.7	4267.0	3932.2	3703.7
30°	4219.2	4171.4	4059.8	3549.6	3294.6
32.5°	4240.4	4160.7	3740.9	3050.1	2773.8
35°	4272.3	4112.9	3315.8	2534.7	2327.5
37.5°	4314.8	3985.4	2816.3	2120.2	1982.1
40°	4373.3	3709.1	2338.1	1854.5	1812.0
42.5°	4442.4	3305.2	1944.9	1721.7	1721.7
45°	4511.4	2827.0	1647.3	1631.3	1652.6
47.5°	4543.3	2359.3	1482.6	1541.0	1562.3
50°	4490.2	1923.6	1360.3	1440.0	1450.7
52.5°	4304.2	1535.7	1222.2	1317.8	1344.4
55°	3964.1	1222.2	1089.3	1190.3	1195.6
57.5°	3469.9	972.4	951.2	1030.9	1025.6
60°	2901.4	786.4	797.1	876.8	876.8
62.5°	2290.3	637.7	669.5	738.6	733.3
65°	1721.7	520.8	552.6	621.7	627.0
67.5°	1270.0	430.4	467.6	515.4	504.8
70°	887.4	361.3	398.5	425.1	414.5
72.5°	589.8	308.2	350.7	361.3	356.0
75°	393.2	271.0	318.8	318.8	313.5
77.5°	255.1	239.1	297.6	292.3	281.6
80°	159.4	212.6	276.3	265.7	255.1
82.5°	95.6	186.0	260.4	249.8	239.1
85°	42.5	164.7	244.4	244.4	239.1
87.5°	15.9	148.8	228.5	233.8	223.2
90°	0.0	127.5	212.6	207.2	191.3
92.5°	0.0	116.9	191.3	175.4	164.7
95°	0.0	101.0	170.0	154.1	143.5
97.5°	0.0	90.3	154.1	138.2	127.5
100°	0.0	79.7	138.2	122.2	111.6
102.5°	0.0	69.1	127.5	111.6	106.3
105°	0.0	63.8	116.9	106.3	95.6
107.5°	0.0	58.5	106.3	95.6	90.3
110°	0.0	47.8	95.6	90.3	85.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.5	85.0	85.0	85.0
115°	0.0	37.2	79.7	79.7	79.7
117.5°	0.0	31.9	69.1	79.7	79.7
120°	0.0	31.9	63.8	74.4	74.4
122.5°	0.0	26.6	58.5	74.4	74.4
125°	0.0	21.3	53.1	69.1	63.8
127.5°	0.0	15.9	47.8	58.5	58.5
130°	0.0	15.9	42.5	53.1	47.8
132.5°	0.0	10.6	37.2	42.5	42.5
135°	0.0	10.6	31.9	37.2	37.2
137.5°	0.0	10.6	26.6	31.9	26.6
140°	0.0	5.3	21.3	26.6	21.3
142.5°	0.0	5.3	21.3	26.6	21.3
145°	0.0	5.3	15.9	21.3	15.9
147.5°	0.0	5.3	10.6	15.9	15.9
150°	0.0	5.3	10.6	15.9	10.6
152.5°	0.0	5.3	10.6	10.6	5.3
155°	0.0	5.3	5.3	10.6	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)