

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: P218134

Luminaire Tested: **8TSNLED-LD5-75SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218134
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-LD5-75SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8637.0 lumens
Efficiency: N/A
Efficacy: 156.0 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

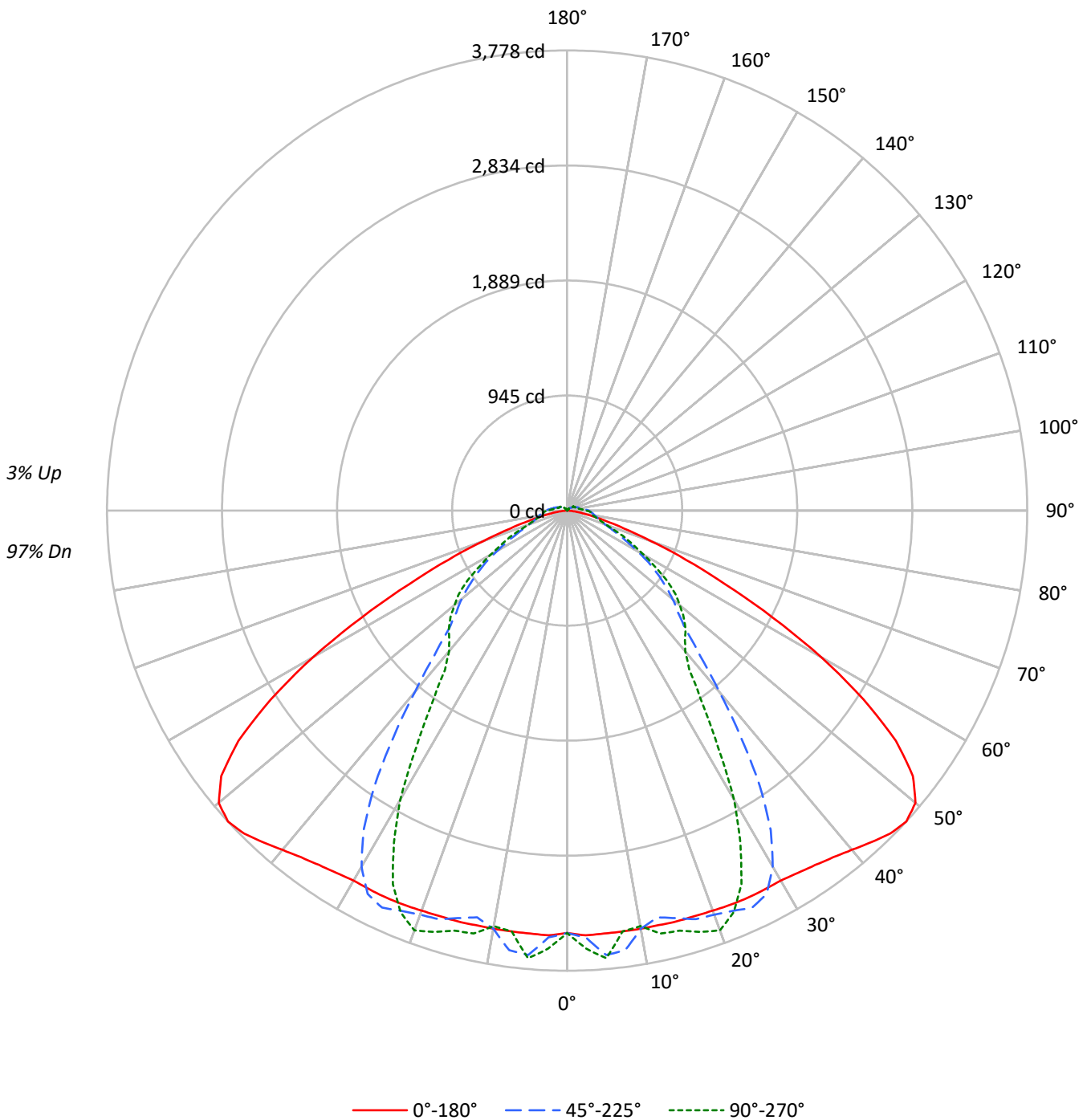
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27943	27943	27943
5°	28141	27862	27436
10°	28414	25298	24090
15°	28951	24209	23484
20°	29737	23969	23051
25°	30885	23919	20518
30°	32247	22165	16156
35°	34435	18012	11194
40°	37584	12733	8616
45°	41865	9063	7828
50°	45658	7620	6898
55°	44956	6264	5751
60°	37515	4745	4300
65°	26121	3438	3160
70°	16437	2617	2166
75°	9441	2234	1715
80°	5497	2092	1475
85°	2635	2031	1478



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.9	3.9
10°-20°	1004.1	11.6
20°-30°	1595.5	18.5
30°-40°	1720.3	19.9
40°-50°	1482.7	17.2
50°-60°	1122.5	13.0
60°-70°	606.4	7.0
70°-80°	288.0	3.3
80°-90°	180.8	2.1
90°-100°	115.1	1.3
100°-110°	73.6	0.9
110°-120°	49.3	0.6
120°-130°	32.5	0.4
130°-140°	15.9	0.2
140°-150°	6.8	0.1
150°-160°	2.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2940.4	34.0
0°-40°	4660.7	54.0
0°-60°	7265.9	84.1
0°-90°	8341.2	96.6
90°-120°	238.0	2.8
90°-150°	293.2	3.4
90°-180°	296.0	3.4
0°-180°	8637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3468	3468	3468	3468	3468	
5°	3486	3561	3663	3711	3689	333
15°	3490	3583	3464	3583	3570	989
25°	3508	3442	3596	3499	3384	1623
35°	3552	3420	2757	2108	1935	2238
45°	3751	2350	1370	1356	1374	2887
55°	3296	1016	906	990	994	2867
65°	1432	433	460	517	521	1470
75°	327	225	265	265	261	385
85°	35	137	203	203	199	51
90°	0	106	177	172	159	2
95°	0	84	141	128	119	0
105°	0	53	97	88	80	0
115°	0	31	66	66	66	0
125°	0	18	44	57	53	0
135°	0	9	26	31	31	0
145°	0	4	13	18	13	0
155°	0	4	4	9	4	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°	3468.2	3468.2	3468.2	3468.2	3468.2
2.5°	3490.3	3494.7	3508.0	3574.3	3600.8
5°	3485.9	3561.0	3662.6	3711.2	3689.1
7.5°	3485.9	3640.5	3640.5	3547.8	3485.9
10°	3485.9	3684.7	3485.9	3468.2	3463.8
12.5°	3485.9	3658.2	3419.6	3543.3	3556.6
15°	3490.3	3583.1	3463.8	3583.1	3569.9
17.5°	3490.3	3494.7	3516.8	3609.6	3627.3
20°	3494.7	3437.3	3530.1	3680.3	3667.1
22.5°	3503.6	3428.5	3556.6	3649.4	3569.9
25°	3508.0	3441.7	3596.4	3499.2	3384.3
27.5°	3508.0	3459.4	3547.8	3269.4	3079.4
30°	3508.0	3468.2	3375.5	2951.3	2739.2
32.5°	3525.7	3459.4	3110.4	2536.0	2306.3
35°	3552.2	3419.6	2756.9	2107.5	1935.1
37.5°	3587.5	3313.6	2341.6	1762.8	1648.0
40°	3636.1	3083.9	1944.0	1541.9	1506.6
42.5°	3693.6	2748.1	1617.0	1431.5	1431.5
45°	3751.0	2350.4	1369.6	1356.4	1374.0
47.5°	3777.5	1961.7	1232.7	1281.3	1298.9
50°	3733.3	1599.4	1131.0	1197.3	1206.2
52.5°	3578.7	1276.8	1016.2	1095.7	1117.8
55°	3295.9	1016.2	905.7	989.7	994.1
57.5°	2885.0	808.5	790.8	857.1	852.7
60°	2412.3	653.9	662.7	729.0	729.0
62.5°	1904.2	530.2	556.7	614.1	609.7
65°	1431.5	433.0	459.5	516.9	521.3
67.5°	1055.9	357.9	388.8	428.6	419.7
70°	737.8	300.4	331.4	353.5	344.6
72.5°	490.4	256.3	291.6	300.4	296.0
75°	326.9	225.3	265.1	265.1	260.7
77.5°	212.1	198.8	247.4	243.0	234.2
80°	132.5	176.7	229.7	220.9	212.1
82.5°	79.5	154.6	216.5	207.7	198.8
85°	35.3	137.0	203.2	203.2	198.8
87.5°	13.3	123.7	190.0	194.4	185.6
90°	0.0	106.0	176.7	172.3	159.1
92.5°	0.0	97.2	159.1	145.8	137.0
95°	0.0	83.9	141.4	128.1	119.3
97.5°	0.0	75.1	128.1	114.9	106.0
100°	0.0	66.3	114.9	101.6	92.8
102.5°	0.0	57.4	106.0	92.8	88.4
105°	0.0	53.0	97.2	88.4	79.5
107.5°	0.0	48.6	88.4	79.5	75.1
110°	0.0	39.8	79.5	75.1	70.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.3	70.7	70.7	70.7
115°	0.0	30.9	66.3	66.3	66.3
117.5°	0.0	26.5	57.4	66.3	66.3
120°	0.0	26.5	53.0	61.9	61.9
122.5°	0.0	22.1	48.6	61.9	61.9
125°	0.0	17.7	44.2	57.4	53.0
127.5°	0.0	13.3	39.8	48.6	48.6
130°	0.0	13.3	35.3	44.2	39.8
132.5°	0.0	8.8	30.9	35.3	35.3
135°	0.0	8.8	26.5	30.9	30.9
137.5°	0.0	8.8	22.1	26.5	22.1
140°	0.0	4.4	17.7	22.1	17.7
142.5°	0.0	4.4	17.7	22.1	17.7
145°	0.0	4.4	13.3	17.7	13.3
147.5°	0.0	4.4	8.8	13.3	13.3
150°	0.0	4.4	8.8	13.3	8.8
152.5°	0.0	4.4	8.8	8.8	4.4
155°	0.0	4.4	4.4	8.8	4.4
157.5°	0.0	4.4	4.4	4.4	4.4
160°	4.4	4.4	4.4	4.4	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)