

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: P218139

Luminaire Tested: **8TSNLED-LD5-90SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218139
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8863.0 lumens
Efficiency: N/A
Efficacy: 128.1 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

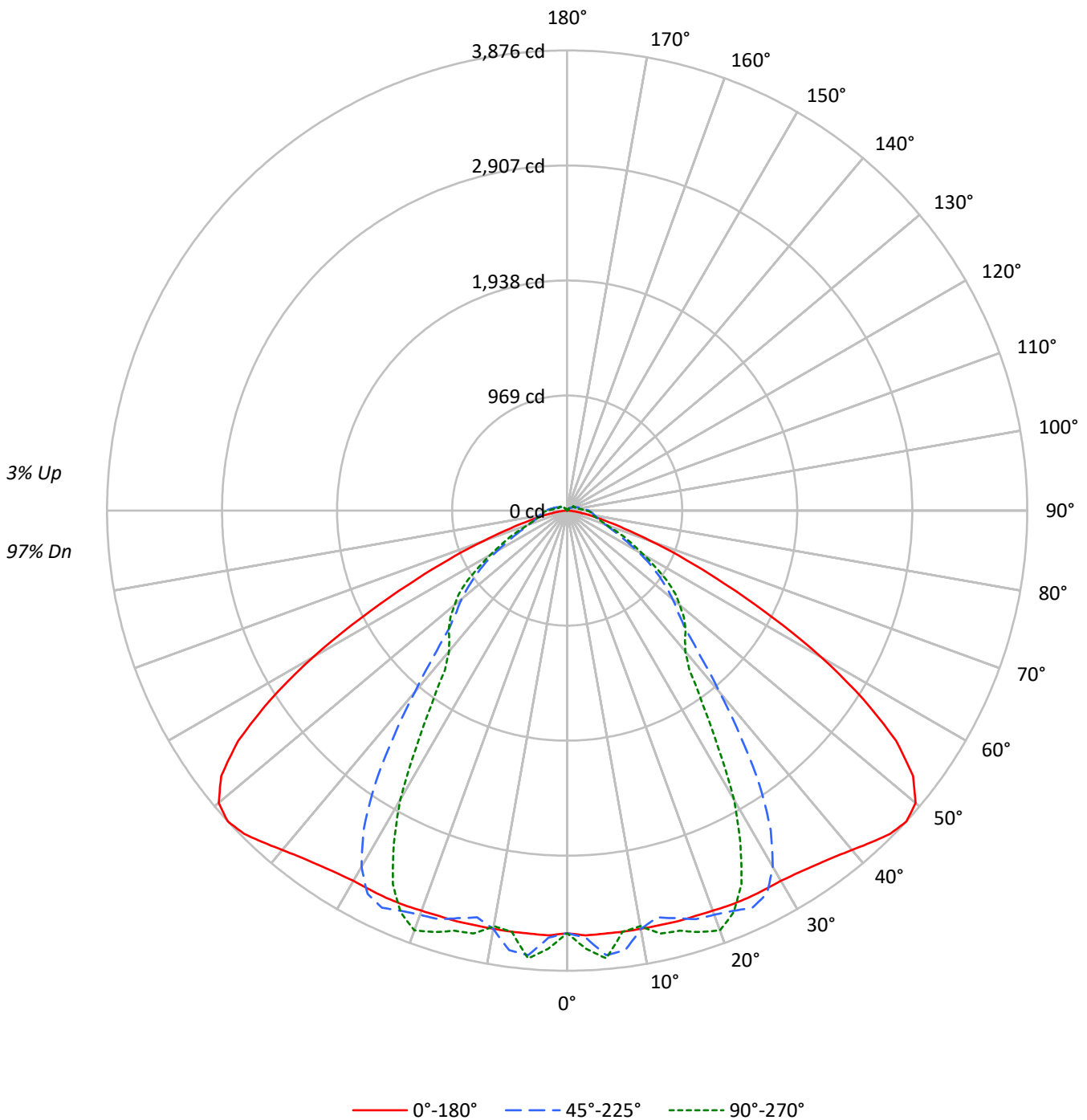
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28674	28674	28674
5°	28877	28592	28154
10°	29157	25960	24721
15°	29709	24843	24099
20°	30516	24596	23654
25°	31693	24545	21054
30°	33091	22745	16579
35°	35335	18483	11488
40°	38568	13066	8841
45°	42960	9301	8033
50°	46853	7820	7078
55°	46133	6428	5901
60°	38496	4870	4412
65°	26803	3528	3244
70°	16867	2685	2223
75°	9689	2292	1760
80°	5642	2148	1513
85°	2709	2084	1517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	3.9
10°-20°	1030.4	11.6
20°-30°	1637.2	18.5
30°-40°	1765.3	19.9
40°-50°	1521.5	17.2
50°-60°	1151.9	13.0
60°-70°	622.3	7.0
70°-80°	295.5	3.3
80°-90°	185.6	2.1
90°-100°	118.1	1.3
100°-110°	75.6	0.9
110°-120°	50.6	0.6
120°-130°	33.4	0.4
130°-140°	16.3	0.2
140°-150°	6.9	0.1
150°-160°	2.5	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3017.4	34.0
0°-40°	4782.7	54.0
0°-60°	7456.0	84.1
0°-90°	8559.4	96.6
90°-120°	244.2	2.8
90°-150°	300.9	3.4
90°-180°	304.0	3.4
0°-180°	8863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3559	3559	3559	3559	3559	
5°	3577	3654	3758	3808	3786	341
15°	3582	3677	3554	3677	3663	1015
25°	3600	3532	3690	3591	3473	1665
35°	3645	3509	2829	2163	1986	2296
45°	3849	2412	1406	1392	1410	2963
55°	3382	1043	929	1016	1020	2942
65°	1469	444	472	530	535	1508
75°	336	231	272	272	268	395
85°	36	140	209	209	204	52
90°	0	109	181	177	163	2
95°	0	86	145	132	122	0
105°	0	54	100	91	82	0
115°	0	32	68	68	68	0
125°	0	18	45	59	54	0
135°	0	9	27	32	32	0
145°	0	4	14	18	14	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°	3559.0	3559.0	3559.0	3559.0	3559.0
2.5°	3581.7	3586.2	3599.8	3667.8	3695.0
5°	3577.1	3654.2	3758.5	3808.3	3785.7
7.5°	3577.1	3735.8	3735.8	3640.6	3577.1
10°	3577.1	3781.1	3577.1	3559.0	3554.5
12.5°	3577.1	3753.9	3509.1	3636.1	3649.7
15°	3581.7	3676.9	3554.5	3676.9	3663.3
17.5°	3581.7	3586.2	3608.9	3704.1	3722.2
20°	3586.2	3527.3	3622.5	3776.6	3763.0
22.5°	3595.3	3518.2	3649.7	3744.9	3663.3
25°	3599.8	3531.8	3690.5	3590.7	3472.8
27.5°	3599.8	3549.9	3640.6	3355.0	3160.0
30°	3599.8	3559.0	3463.8	3028.5	2810.9
32.5°	3617.9	3549.9	3191.8	2602.4	2366.6
35°	3645.1	3509.1	2829.1	2162.6	1985.8
37.5°	3681.4	3400.3	2402.9	1809.0	1691.1
40°	3731.3	3164.6	1994.8	1582.3	1546.0
42.5°	3790.2	2820.0	1659.3	1468.9	1468.9
45°	3849.1	2412.0	1405.5	1391.9	1410.0
47.5°	3876.3	2013.0	1264.9	1314.8	1332.9
50°	3831.0	1641.2	1160.6	1228.6	1237.7
52.5°	3672.3	1310.3	1042.8	1124.4	1147.0
55°	3382.2	1042.8	929.4	1015.6	1020.1
57.5°	2960.5	829.7	811.5	879.5	875.0
60°	2475.4	671.0	680.1	748.1	748.1
62.5°	1954.0	544.0	571.3	630.2	625.7
65°	1468.9	444.3	471.5	530.4	535.0
67.5°	1083.6	367.2	399.0	439.8	430.7
70°	757.1	308.3	340.0	362.7	353.6
72.5°	503.2	263.0	299.2	308.3	303.8
75°	335.5	231.2	272.0	272.0	267.5
77.5°	217.6	204.0	253.9	249.4	240.3
80°	136.0	181.3	235.8	226.7	217.6
82.5°	81.6	158.7	222.2	213.1	204.0
85°	36.3	140.5	208.6	208.6	204.0
87.5°	13.6	126.9	195.0	199.5	190.4
90°	0.0	108.8	181.3	176.8	163.2
92.5°	0.0	99.7	163.2	149.6	140.5
95°	0.0	86.1	145.1	131.5	122.4
97.5°	0.0	77.1	131.5	117.9	108.8
100°	0.0	68.0	117.9	104.3	95.2
102.5°	0.0	58.9	108.8	95.2	90.7
105°	0.0	54.4	99.7	90.7	81.6
107.5°	0.0	49.9	90.7	81.6	77.1
110°	0.0	40.8	81.6	77.1	72.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.3	72.5	72.5	72.5
115°	0.0	31.7	68.0	68.0	68.0
117.5°	0.0	27.2	58.9	68.0	68.0
120°	0.0	27.2	54.4	63.5	63.5
122.5°	0.0	22.7	49.9	63.5	63.5
125°	0.0	18.1	45.3	58.9	54.4
127.5°	0.0	13.6	40.8	49.9	49.9
130°	0.0	13.6	36.3	45.3	40.8
132.5°	0.0	9.1	31.7	36.3	36.3
135°	0.0	9.1	27.2	31.7	31.7
137.5°	0.0	9.1	22.7	27.2	22.7
140°	0.0	4.5	18.1	22.7	18.1
142.5°	0.0	4.5	18.1	22.7	18.1
145°	0.0	4.5	13.6	18.1	13.6
147.5°	0.0	4.5	9.1	13.6	13.6
150°	0.0	4.5	9.1	13.6	9.1
152.5°	0.0	4.5	9.1	9.1	4.5
155°	0.0	4.5	4.5	9.1	4.5
157.5°	0.0	4.5	4.5	4.5	4.5
160°	4.5	4.5	4.5	4.5	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)