

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: P218260

Luminaire Tested: **8TSNLED-LD5-91SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218260
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-LD5-91SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9141.0 lumens
Efficiency: N/A
Efficacy: 132.1 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

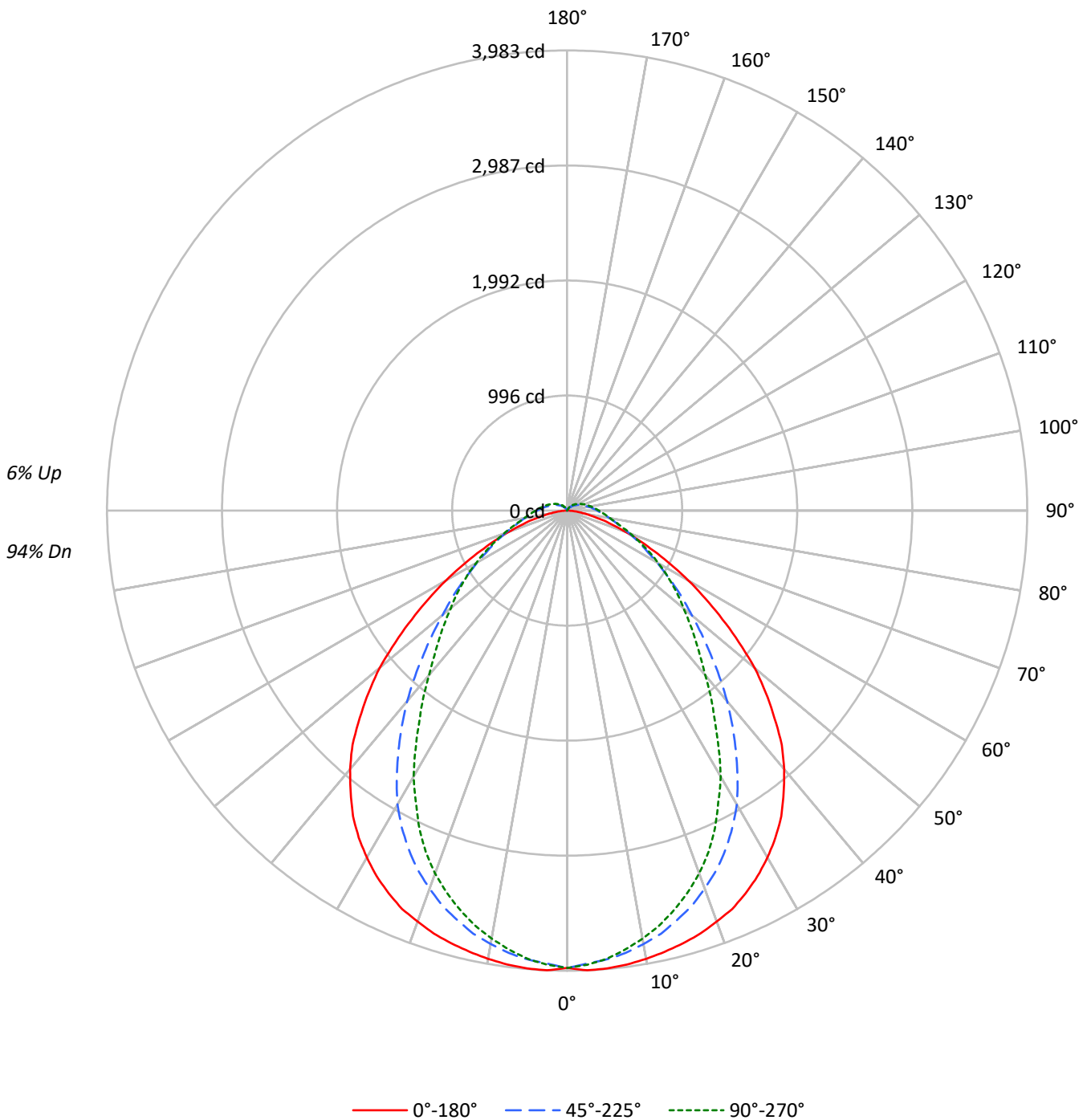
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	31895	31895	31895
5°	32114	29676	28975
10°	32111	27646	26159
15°	32157	25649	23539
20°	32211	23642	21010
25°	32181	21557	18366
30°	31875	19291	15679
35°	31326	16645	12899
40°	30216	14100	10631
45°	28327	11600	8917
50°	25915	9475	7519
55°	22401	7828	6408
60°	18873	6414	5368
65°	15116	5333	4438
70°	11910	4487	3663
75°	9181	3815	3041
80°	6592	3377	2612
85°	4314	3080	2364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.2	4.1
10°-20°	1044.5	11.4
20°-30°	1512.6	16.5
30°-40°	1646.2	18.0
40°-50°	1462.0	16.0
50°-60°	1112.9	12.2
60°-70°	738.9	8.1
70°-80°	450.2	4.9
80°-90°	279.0	3.1
90°-100°	190.5	2.1
100°-110°	133.7	1.5
110°-120°	91.1	1.0
120°-130°	57.8	0.6
130°-140°	32.8	0.4
140°-150°	15.4	0.2
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2929.2	32.0
0°-40°	4575.5	50.1
0°-60°	7150.4	78.2
0°-90°	8618.5	94.3
90°-120°	415.4	4.5
90°-150°	521.4	5.7
90°-180°	522.0	5.7
0°-180°	9141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3959	3959	3959	3959	3959	
5°	3978	3954	3901	3920	3896	378
15°	3877	3809	3670	3626	3578	1095
25°	3655	3492	3241	3111	3029	1683
35°	3232	2943	2548	2326	2230	2013
45°	2538	2158	1753	1604	1565	1955
55°	1642	1334	1132	1112	1108	1473
65°	828	713	713	742	732	835
75°	318	361	453	477	462	344
85°	58	183	308	328	318	69
90°	0	135	260	284	274	4
95°	0	106	222	246	241	0
105°	0	67	159	183	183	0
115°	0	43	116	140	135	0
125°	0	29	77	96	96	0
135°	0	19	53	67	67	0
145°	0	10	29	38	38	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3958.7	3958.7	3958.7	3958.7	3958.7
2.5°	3982.8	3963.6	3925.0	3949.1	3934.7
5°	3978.0	3953.9	3901.0	3920.2	3896.1
7.5°	3963.6	3934.7	3862.4	3872.1	3833.5
10°	3939.5	3901.0	3809.4	3799.8	3761.3
12.5°	3910.6	3862.4	3751.7	3717.9	3679.4
15°	3876.9	3809.4	3669.8	3626.4	3578.3
17.5°	3838.3	3746.8	3587.9	3520.5	3467.5
20°	3785.4	3674.6	3482.0	3400.1	3342.3
22.5°	3732.4	3587.9	3371.2	3260.4	3197.8
25°	3655.3	3491.6	3241.2	3111.1	3029.3
27.5°	3568.6	3380.8	3096.7	2928.1	2836.6
30°	3467.5	3250.8	2937.8	2740.3	2658.4
32.5°	3356.7	3106.3	2745.1	2533.2	2441.7
35°	3231.5	2942.6	2547.7	2326.1	2229.8
37.5°	3077.4	2764.4	2350.2	2123.9	2046.8
40°	2923.3	2576.6	2152.7	1940.8	1859.0
42.5°	2749.9	2369.5	1950.5	1757.8	1700.0
45°	2538.0	2157.6	1753.0	1603.7	1565.2
47.5°	2330.9	1940.8	1574.8	1468.9	1435.2
50°	2119.0	1728.9	1406.3	1338.8	1314.8
52.5°	1873.4	1521.9	1266.6	1223.3	1213.6
55°	1642.3	1334.0	1131.8	1112.5	1107.7
57.5°	1420.7	1155.8	1006.5	1021.0	1011.4
60°	1213.6	992.1	895.8	915.0	910.2
62.5°	1011.4	842.8	794.6	833.2	823.5
65°	828.4	712.8	712.8	741.7	732.0
67.5°	669.4	606.8	635.7	664.6	655.0
70°	534.6	510.5	568.3	592.4	582.7
72.5°	414.2	428.6	500.9	529.8	515.3
75°	317.9	361.2	452.7	476.8	462.3
77.5°	226.4	303.4	409.4	428.6	414.2
80°	158.9	255.2	370.8	390.1	375.6
82.5°	101.1	216.7	337.1	356.4	346.8
85°	57.8	183.0	308.2	327.5	317.9
87.5°	28.9	158.9	279.3	303.4	293.8
90°	0.0	134.8	260.1	284.1	274.5
92.5°	0.0	120.4	240.8	264.9	255.2
95°	0.0	106.0	221.5	245.6	240.8
97.5°	0.0	96.3	207.1	231.2	221.5
100°	0.0	81.9	187.8	211.9	207.1
102.5°	0.0	77.1	173.4	197.5	192.6
105°	0.0	67.4	158.9	183.0	183.0
107.5°	0.0	62.6	149.3	173.4	168.6
110°	0.0	53.0	134.8	158.9	158.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.2	125.2	149.3	144.5
115°	0.0	43.3	115.6	139.7	134.8
117.5°	0.0	43.3	106.0	125.2	125.2
120°	0.0	38.5	96.3	115.6	115.6
122.5°	0.0	33.7	86.7	106.0	106.0
125°	0.0	28.9	77.1	96.3	96.3
127.5°	0.0	28.9	72.2	91.5	91.5
130°	0.0	24.1	62.6	81.9	81.9
132.5°	0.0	19.3	57.8	72.2	72.2
135°	0.0	19.3	53.0	67.4	67.4
137.5°	0.0	14.4	43.3	57.8	57.8
140°	0.0	14.4	38.5	53.0	53.0
142.5°	0.0	9.6	33.7	48.2	43.3
145°	0.0	9.6	28.9	38.5	38.5
147.5°	0.0	4.8	24.1	33.7	33.7
150°	0.0	4.8	19.3	28.9	24.1
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)