

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: P218261

Luminaire Tested: **8TSNLED-LD5-91SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218261
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9324.0 lumens
Efficiency: N/A
Efficacy: 134.8 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

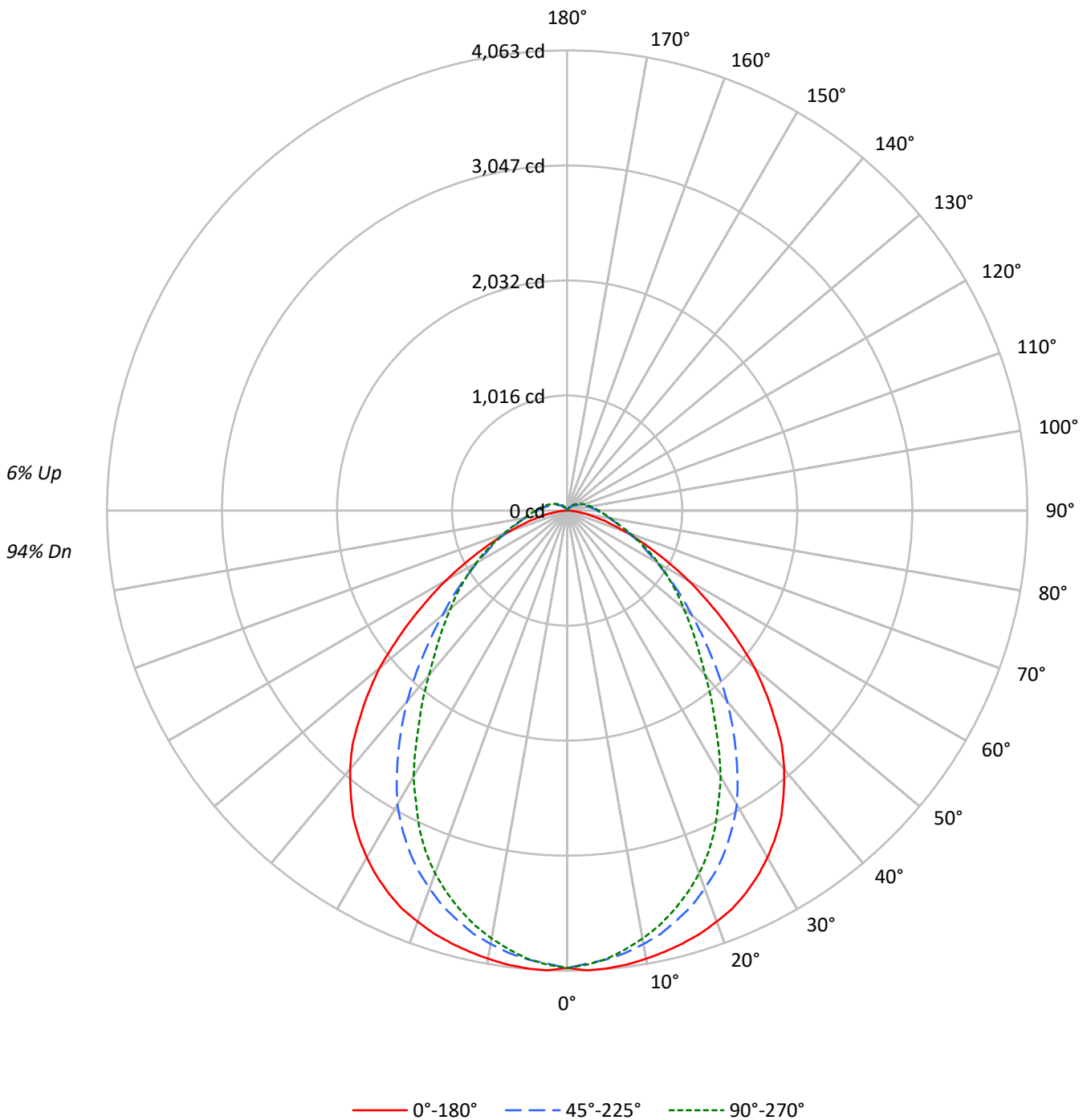
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32533	32533	32533
5°	32756	30269	29555
10°	32754	28200	26683
15°	32801	26163	24010
20°	32856	24116	21430
25°	32826	21988	18733
30°	32513	19677	15993
35°	31953	16978	13157
40°	30821	14382	10844
45°	28894	11832	9095
50°	26435	9665	7669
55°	22848	7984	6536
60°	19251	6543	5476
65°	15417	5439	4527
70°	12149	4577	3736
75°	9363	3892	3102
80°	6725	3446	2665
85°	4396	3142	2411



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.6	4.1
10°-20°	1065.4	11.4
20°-30°	1542.8	16.5
30°-40°	1679.2	18.0
40°-50°	1491.3	16.0
50°-60°	1135.2	12.2
60°-70°	753.7	8.1
70°-80°	459.2	4.9
80°-90°	284.6	3.1
90°-100°	194.4	2.1
100°-110°	136.4	1.5
110°-120°	92.9	1.0
120°-130°	58.9	0.6
130°-140°	33.5	0.4
140°-150°	15.7	0.2
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2987.9	32.0
0°-40°	4667.1	50.1
0°-60°	7293.5	78.2
0°-90°	8791.0	94.3
90°-120°	423.7	4.5
90°-150°	531.8	5.7
90°-180°	533.0	5.7
0°-180°	9324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4038	4038	4038	4038	4038	
5°	4058	4033	3979	3999	3974	386
15°	3954	3886	3743	3699	3650	1117
25°	3728	3562	3306	3173	3090	1717
35°	3296	3002	2599	2373	2274	2053
45°	2589	2201	1788	1636	1596	1994
55°	1675	1361	1154	1135	1130	1503
65°	845	727	727	756	747	852
75°	324	368	462	486	472	351
85°	59	187	314	334	324	70
90°	0	138	265	290	280	4
95°	0	108	226	250	246	0
105°	0	69	162	187	187	0
115°	0	44	118	142	138	0
125°	0	30	79	98	98	0
135°	0	20	54	69	69	0
145°	0	10	30	39	39	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°	4038.0	4038.0	4038.0	4038.0	4038.0
2.5°	4062.6	4042.9	4003.6	4028.2	4013.4
5°	4057.6	4033.1	3979.0	3998.7	3974.1
7.5°	4042.9	4013.4	3939.7	3949.6	3910.3
10°	4018.3	3979.0	3885.7	3875.9	3836.6
12.5°	3988.9	3939.7	3826.8	3792.4	3753.1
15°	3954.5	3885.7	3743.3	3699.0	3649.9
17.5°	3915.2	3821.9	3659.7	3591.0	3536.9
20°	3861.2	3748.2	3551.7	3468.2	3409.2
22.5°	3807.1	3659.7	3438.7	3325.7	3261.8
25°	3728.5	3561.5	3306.0	3173.4	3089.9
27.5°	3640.1	3448.5	3158.7	2986.7	2893.4
30°	3536.9	3315.9	2996.6	2795.2	2711.6
32.5°	3423.9	3168.5	2800.1	2583.9	2490.6
35°	3296.2	3001.5	2598.7	2372.7	2274.4
37.5°	3139.0	2819.7	2397.3	2166.4	2087.8
40°	2981.8	2628.1	2195.8	1979.7	1896.2
42.5°	2805.0	2416.9	1989.5	1793.0	1734.1
45°	2588.8	2200.8	1788.1	1635.8	1596.5
47.5°	2377.6	1979.7	1606.4	1498.3	1463.9
50°	2161.5	1763.6	1434.4	1365.6	1341.1
52.5°	1910.9	1552.3	1292.0	1247.8	1237.9
55°	1675.1	1360.7	1154.4	1134.8	1129.9
57.5°	1449.2	1179.0	1026.7	1041.4	1031.6
60°	1237.9	1012.0	913.7	933.4	928.4
62.5°	1031.6	859.7	810.5	849.8	840.0
65°	844.9	727.0	727.0	756.5	746.7
67.5°	682.8	619.0	648.4	677.9	668.1
70°	545.3	520.7	579.7	604.2	594.4
72.5°	422.5	437.2	510.9	540.4	525.6
75°	324.2	368.4	461.8	486.3	471.6
77.5°	230.9	309.5	417.6	437.2	422.5
80°	162.1	260.4	378.3	397.9	383.2
82.5°	103.2	221.1	343.9	363.5	353.7
85°	58.9	186.7	314.4	334.0	324.2
87.5°	29.5	162.1	284.9	309.5	299.7
90°	0.0	137.5	265.3	289.8	280.0
92.5°	0.0	122.8	245.6	270.2	260.4
95°	0.0	108.1	226.0	250.5	245.6
97.5°	0.0	98.2	211.2	235.8	226.0
100°	0.0	83.5	191.6	216.1	211.2
102.5°	0.0	78.6	176.8	201.4	196.5
105°	0.0	68.8	162.1	186.7	186.7
107.5°	0.0	63.9	152.3	176.8	171.9
110°	0.0	54.0	137.5	162.1	162.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.1	127.7	152.3	147.4
115°	0.0	44.2	117.9	142.5	137.5
117.5°	0.0	44.2	108.1	127.7	127.7
120°	0.0	39.3	98.2	117.9	117.9
122.5°	0.0	34.4	88.4	108.1	108.1
125°	0.0	29.5	78.6	98.2	98.2
127.5°	0.0	29.5	73.7	93.3	93.3
130°	0.0	24.6	63.9	83.5	83.5
132.5°	0.0	19.6	58.9	73.7	73.7
135°	0.0	19.6	54.0	68.8	68.8
137.5°	0.0	14.7	44.2	58.9	58.9
140°	0.0	14.7	39.3	54.0	54.0
142.5°	0.0	9.8	34.4	49.1	44.2
145°	0.0	9.8	29.5	39.3	39.3
147.5°	0.0	4.9	24.6	34.4	34.4
150°	0.0	4.9	19.6	29.5	24.6
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)