

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: P218124

Luminaire Tested: **8TSNLED-LD5-60SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218124
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-LD5-60SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6399.0 lumens
Efficiency: N/A
Efficacy: 145.1 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

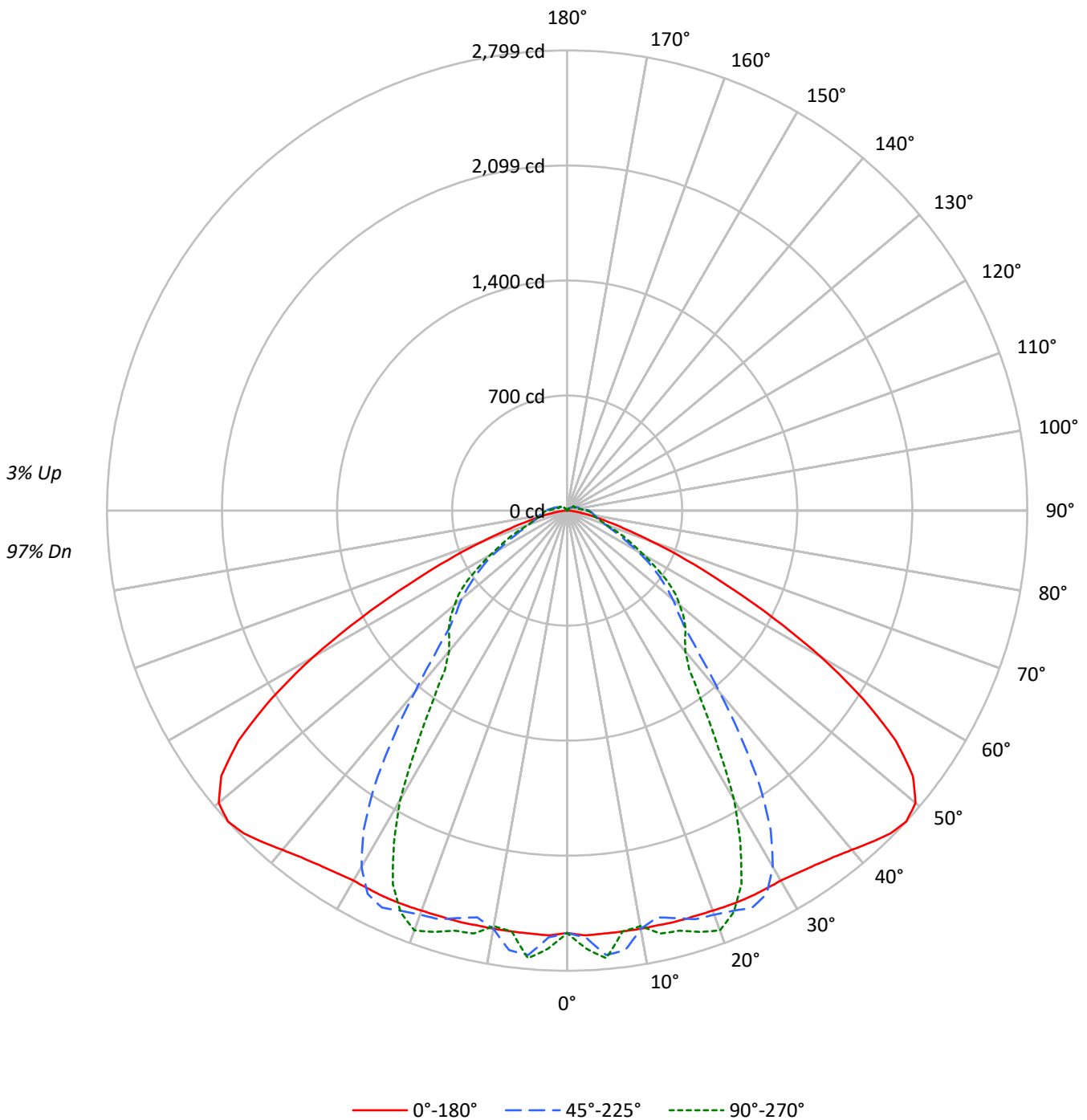
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20703	20703	20703
5°	20849	20643	20327
10°	21051	18743	17848
15°	21449	17936	17398
20°	22032	17758	17078
25°	22882	17721	15202
30°	23891	16421	11970
35°	25511	13345	8294
40°	27845	9434	6383
45°	31017	6715	5800
50°	33828	5646	5110
55°	33308	4641	4261
60°	27793	3516	3186
65°	19353	2547	2342
70°	12178	1938	1605
75°	6995	1655	1270
80°	4074	1550	1093
85°	1955	1505	1095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.6	3.9
10°-20°	743.9	11.6
20°-30°	1182.0	18.5
30°-40°	1274.5	19.9
40°-50°	1098.5	17.2
50°-60°	831.6	13.0
60°-70°	449.3	7.0
70°-80°	213.4	3.3
80°-90°	134.0	2.1
90°-100°	85.2	1.3
100°-110°	54.6	0.9
110°-120°	36.5	0.6
120°-130°	24.1	0.4
130°-140°	11.8	0.2
140°-150°	5.0	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2178.5	34.0
0°-40°	3453.0	54.0
0°-60°	5383.2	84.1
0°-90°	6179.8	96.6
90°-120°	176.3	2.8
90°-150°	217.2	3.4
90°-180°	219.0	3.4
0°-180°	6399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2570	2570	2570	2570	2570	
5°	2583	2638	2714	2750	2733	247
15°	2586	2655	2566	2655	2645	733
25°	2599	2550	2664	2592	2507	1202
35°	2632	2534	2043	1561	1434	1658
45°	2779	1741	1015	1005	1018	2139
55°	2442	753	671	733	736	2124
65°	1061	321	340	383	386	1089
75°	242	167	196	196	193	285
85°	26	102	151	151	147	38
90°	0	79	131	128	118	1
95°	0	62	105	95	88	0
105°	0	39	72	66	59	0
115°	0	23	49	49	49	0
125°	0	13	33	43	39	0
135°	0	6	20	23	23	0
145°	0	3	10	13	10	0
155°	0	3	3	6	3	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°	2569.6	2569.6	2569.6	2569.6	2569.6
2.5°	2585.9	2589.2	2599.0	2648.1	2667.8
5°	2582.6	2638.3	2713.6	2749.6	2733.2
7.5°	2582.6	2697.2	2697.2	2628.5	2582.6
10°	2582.6	2729.9	2582.6	2569.6	2566.3
12.5°	2582.6	2710.3	2533.5	2625.2	2635.0
15°	2585.9	2654.7	2566.3	2654.7	2644.8
17.5°	2585.9	2589.2	2605.6	2674.3	2687.4
20°	2589.2	2546.6	2615.4	2726.7	2716.9
22.5°	2595.7	2540.1	2635.0	2703.8	2644.8
25°	2599.0	2549.9	2664.5	2592.5	2507.4
27.5°	2599.0	2563.0	2628.5	2422.3	2281.5
30°	2599.0	2569.6	2500.8	2186.6	2029.5
32.5°	2612.1	2563.0	2304.4	1878.9	1708.7
35°	2631.7	2533.5	2042.6	1561.4	1433.7
37.5°	2657.9	2455.0	1734.9	1306.1	1220.9
40°	2693.9	2284.8	1440.3	1142.4	1116.2
42.5°	2736.5	2036.0	1198.0	1060.6	1060.6
45°	2779.0	1741.4	1014.7	1004.9	1018.0
47.5°	2798.7	1453.4	913.3	949.3	962.4
50°	2766.0	1184.9	838.0	887.1	893.6
52.5°	2651.4	946.0	752.9	811.8	828.1
55°	2441.9	752.9	671.0	733.2	736.5
57.5°	2137.5	599.0	585.9	635.0	631.8
60°	1787.2	484.5	491.0	540.1	540.1
62.5°	1410.8	392.8	412.4	455.0	451.7
65°	1060.6	320.8	340.4	383.0	386.3
67.5°	782.3	265.1	288.1	317.5	311.0
70°	546.6	222.6	245.5	261.9	255.3
72.5°	363.3	189.9	216.0	222.6	219.3
75°	242.2	166.9	196.4	196.4	193.1
77.5°	157.1	147.3	183.3	180.0	173.5
80°	98.2	130.9	170.2	163.7	157.1
82.5°	58.9	114.6	160.4	153.8	147.3
85°	26.2	101.5	150.6	150.6	147.3
87.5°	9.8	91.7	140.8	144.0	137.5
90°	0.0	78.6	130.9	127.7	117.8
92.5°	0.0	72.0	117.8	108.0	101.5
95°	0.0	62.2	104.7	94.9	88.4
97.5°	0.0	55.6	94.9	85.1	78.6
100°	0.0	49.1	85.1	75.3	68.7
102.5°	0.0	42.6	78.6	68.7	65.5
105°	0.0	39.3	72.0	65.5	58.9
107.5°	0.0	36.0	65.5	58.9	55.6
110°	0.0	29.5	58.9	55.6	52.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.2	52.4	52.4	52.4
115°	0.0	22.9	49.1	49.1	49.1
117.5°	0.0	19.6	42.6	49.1	49.1
120°	0.0	19.6	39.3	45.8	45.8
122.5°	0.0	16.4	36.0	45.8	45.8
125°	0.0	13.1	32.7	42.6	39.3
127.5°	0.0	9.8	29.5	36.0	36.0
130°	0.0	9.8	26.2	32.7	29.5
132.5°	0.0	6.5	22.9	26.2	26.2
135°	0.0	6.5	19.6	22.9	22.9
137.5°	0.0	6.5	16.4	19.6	16.4
140°	0.0	3.3	13.1	16.4	13.1
142.5°	0.0	3.3	13.1	16.4	13.1
145°	0.0	3.3	9.8	13.1	9.8
147.5°	0.0	3.3	6.5	9.8	9.8
150°	0.0	3.3	6.5	9.8	6.5
152.5°	0.0	3.3	6.5	6.5	3.3
155°	0.0	3.3	3.3	6.5	3.3
157.5°	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	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)