

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: P218246

Luminaire Tested: **8TSNLED-LD5-60SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218246
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-LD5-60SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6854.0 lumens
Efficiency: N/A
Efficacy: 155.4 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

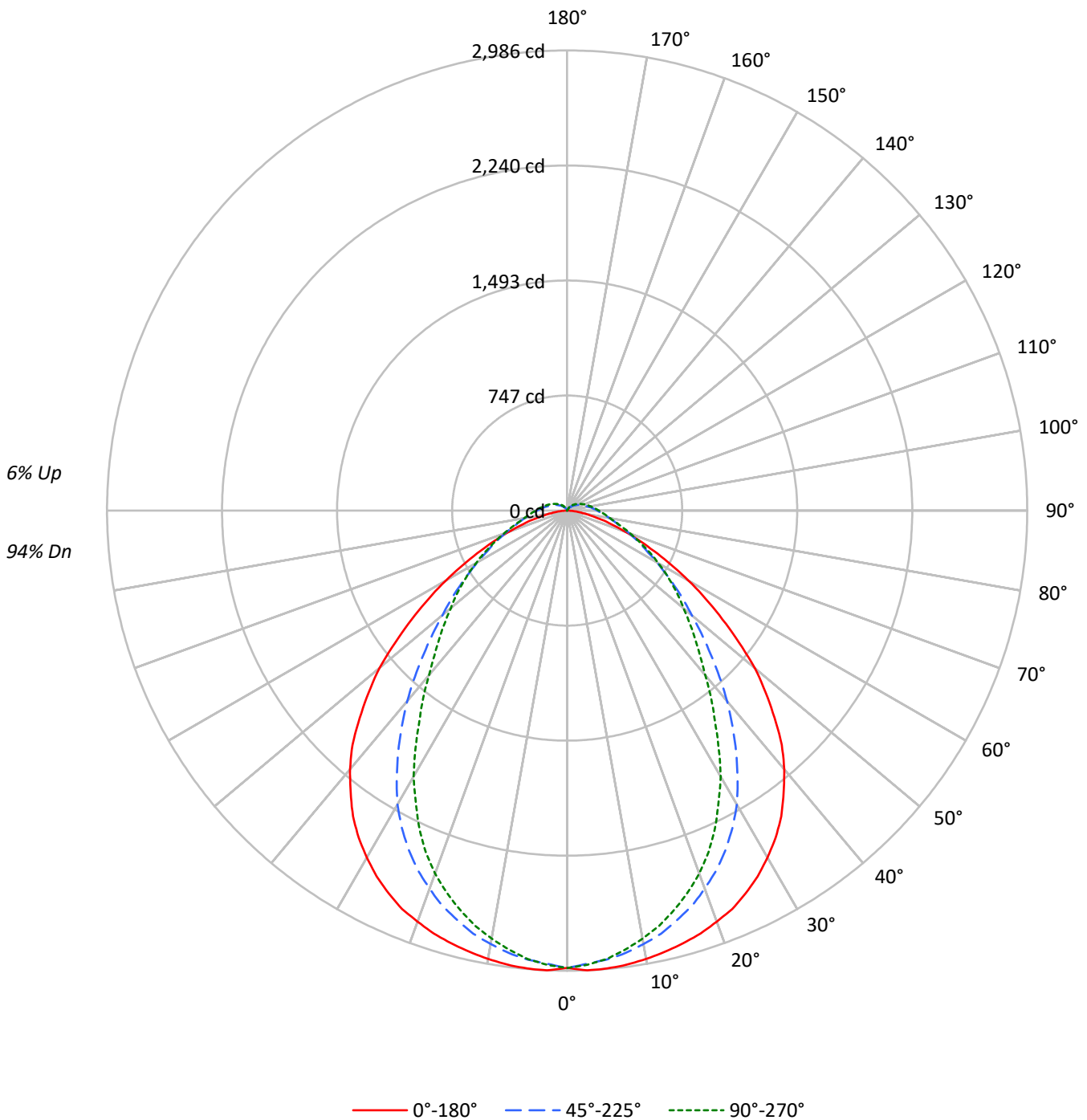
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23915	23915	23915
5°	24079	22251	21726
10°	24078	20730	19614
15°	24112	19231	17650
20°	24152	17727	15753
25°	24130	16164	13771
30°	23900	14465	11756
35°	23488	12481	9672
40°	22656	10572	7971
45°	21240	8698	6686
50°	19432	7104	5638
55°	16796	5869	4804
60°	14152	4810	4025
65°	11333	3998	3328
70°	8929	3365	2746
75°	6882	2860	2281
80°	4945	2533	1959
85°	3232	2309	1772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.1	4.1
10°-20°	783.2	11.4
20°-30°	1134.1	16.5
30°-40°	1234.3	18.0
40°-50°	1096.3	16.0
50°-60°	834.4	12.2
60°-70°	554.0	8.1
70°-80°	337.6	4.9
80°-90°	209.2	3.1
90°-100°	142.9	2.1
100°-110°	100.3	1.5
110°-120°	68.3	1.0
120°-130°	43.3	0.6
130°-140°	24.6	0.4
140°-150°	11.6	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2196.4	32.0
0°-40°	3430.7	50.1
0°-60°	5361.4	78.2
0°-90°	6462.2	94.3
90°-120°	311.5	4.5
90°-150°	391.0	5.7
90°-180°	392.0	5.7
0°-180°	6854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2968	2968	2968	2968	2968	
5°	2983	2965	2925	2939	2921	284
15°	2907	2856	2752	2719	2683	821
25°	2741	2618	2430	2333	2271	1262
35°	2423	2206	1910	1744	1672	1509
45°	1903	1618	1314	1202	1174	1466
55°	1231	1000	849	834	830	1105
65°	621	534	534	556	549	626
75°	238	271	339	358	347	258
85°	43	137	231	246	238	52
90°	0	101	195	213	206	3
95°	0	79	166	184	181	0
105°	0	51	119	137	137	0
115°	0	32	87	105	101	0
125°	0	22	58	72	72	0
135°	0	14	40	51	51	0
145°	0	7	22	29	29	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°	2968.3	2968.3	2968.3	2968.3	2968.3
2.5°	2986.4	2971.9	2943.0	2961.1	2950.2
5°	2982.7	2964.7	2925.0	2939.4	2921.4
7.5°	2971.9	2950.2	2896.1	2903.3	2874.4
10°	2953.9	2925.0	2856.4	2849.1	2820.2
12.5°	2932.2	2896.1	2813.0	2787.7	2758.9
15°	2906.9	2856.4	2751.6	2719.1	2683.0
17.5°	2878.0	2809.4	2690.2	2639.7	2600.0
20°	2838.3	2755.2	2610.8	2549.4	2506.1
22.5°	2798.6	2690.2	2527.8	2444.7	2397.8
25°	2740.8	2618.0	2430.3	2332.8	2271.4
27.5°	2675.8	2535.0	2321.9	2195.5	2126.9
30°	2600.0	2437.5	2202.8	2054.7	1993.3
32.5°	2516.9	2329.1	2058.3	1899.4	1830.8
35°	2423.0	2206.4	1910.3	1744.1	1671.9
37.5°	2307.5	2072.8	1762.2	1592.5	1534.7
40°	2191.9	1931.9	1614.1	1455.3	1393.9
42.5°	2061.9	1776.6	1462.5	1318.0	1274.7
45°	1903.0	1617.8	1314.4	1202.5	1173.6
47.5°	1747.8	1455.3	1180.8	1101.4	1076.1
50°	1588.9	1296.4	1054.4	1003.9	985.8
52.5°	1404.7	1141.1	949.7	917.2	910.0
55°	1231.4	1000.3	848.6	834.2	830.5
57.5°	1065.3	866.7	754.7	765.5	758.3
60°	910.0	743.9	671.7	686.1	682.5
62.5°	758.3	631.9	595.8	624.7	617.5
65°	621.1	534.4	534.4	556.1	548.9
67.5°	501.9	455.0	476.7	498.3	491.1
70°	400.8	382.8	426.1	444.2	436.9
72.5°	310.6	321.4	375.6	397.2	386.4
75°	238.3	270.8	339.4	357.5	346.7
77.5°	169.7	227.5	306.9	321.4	310.6
80°	119.2	191.4	278.1	292.5	281.7
82.5°	75.8	162.5	252.8	267.2	260.0
85°	43.3	137.2	231.1	245.6	238.3
87.5°	21.7	119.2	209.4	227.5	220.3
90°	0.0	101.1	195.0	213.1	205.8
92.5°	0.0	90.3	180.6	198.6	191.4
95°	0.0	79.4	166.1	184.2	180.6
97.5°	0.0	72.2	155.3	173.3	166.1
100°	0.0	61.4	140.8	158.9	155.3
102.5°	0.0	57.8	130.0	148.1	144.4
105°	0.0	50.6	119.2	137.2	137.2
107.5°	0.0	46.9	111.9	130.0	126.4
110°	0.0	39.7	101.1	119.2	119.2



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CATALOG NUMBER: 8TSNLED-LD5-60SL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.1	93.9	111.9	108.3
115°	0.0	32.5	86.7	104.7	101.1
117.5°	0.0	32.5	79.4	93.9	93.9
120°	0.0	28.9	72.2	86.7	86.7
122.5°	0.0	25.3	65.0	79.4	79.4
125°	0.0	21.7	57.8	72.2	72.2
127.5°	0.0	21.7	54.2	68.6	68.6
130°	0.0	18.1	46.9	61.4	61.4
132.5°	0.0	14.4	43.3	54.2	54.2
135°	0.0	14.4	39.7	50.6	50.6
137.5°	0.0	10.8	32.5	43.3	43.3
140°	0.0	10.8	28.9	39.7	39.7
142.5°	0.0	7.2	25.3	36.1	32.5
145°	0.0	7.2	21.7	28.9	28.9
147.5°	0.0	3.6	18.1	25.3	25.3
150°	0.0	3.6	14.4	21.7	18.1
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)