

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: P218370

Luminaire Tested: **8TSNLED-LD5-61SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-61SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7030.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

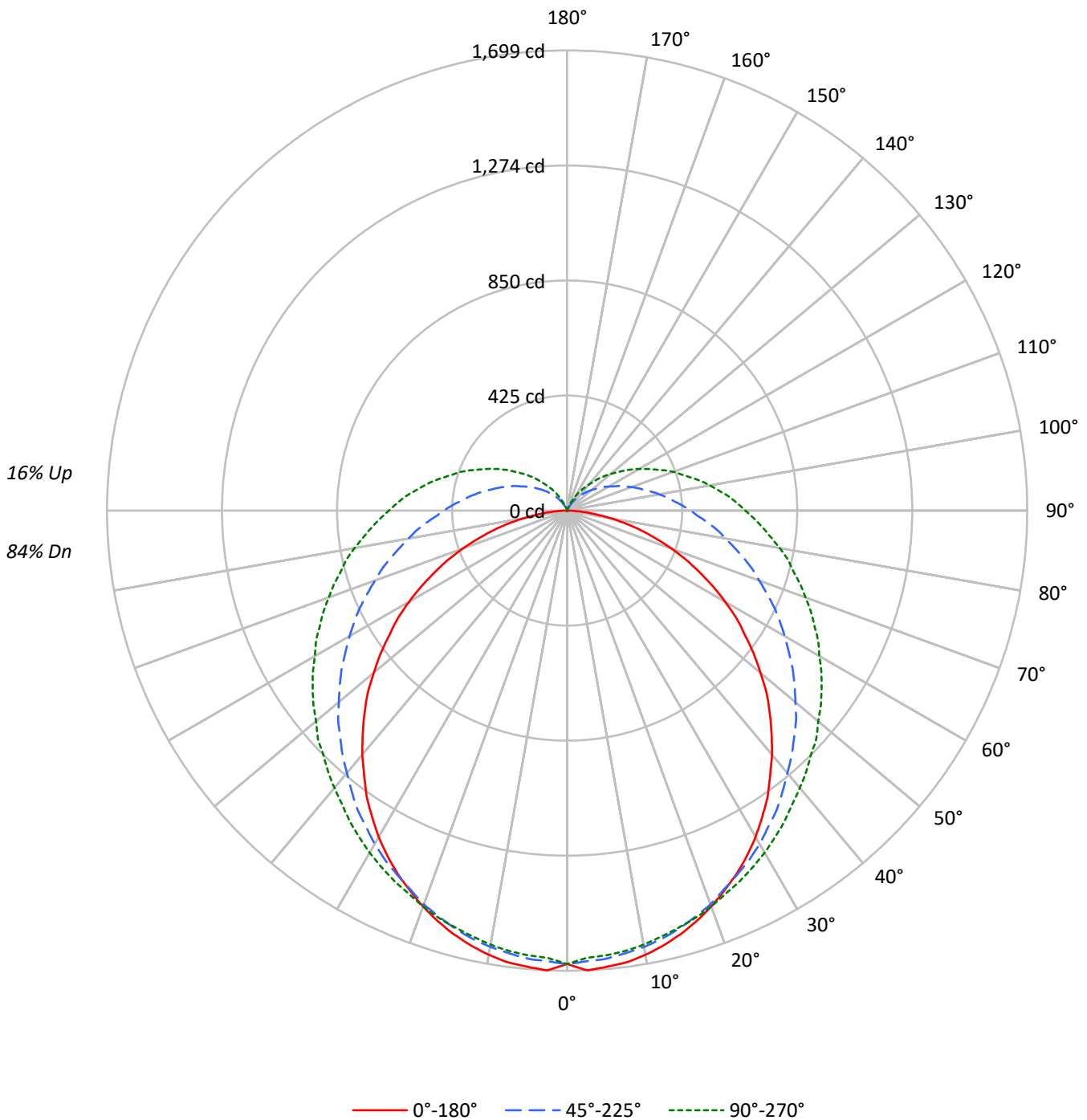
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13486	13486	13486
5°	13649	12636	12260
10°	13575	11872	11318
15°	13429	11168	10484
20°	13238	10506	9779
25°	13028	9871	9151
30°	12789	9330	8604
35°	12506	8815	8097
40°	12159	8284	7643
45°	11811	7839	7254
50°	11396	7414	6920
55°	10927	7028	6634
60°	10491	6641	6341
65°	9848	6309	6109
70°	9112	5959	5884
75°	8158	5685	5686
80°	6646	5415	5542
85°	4717	5224	5393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	2.3
10°-20°	453.3	6.4
20°-30°	689.0	9.8
30°-40°	843.2	12.0
40°-50°	910.4	12.9
50°-60°	893.8	12.7
60°-70°	804.9	11.5
70°-80°	666.5	9.5
80°-90°	512.6	7.3
90°-100°	386.4	5.5
100°-110°	284.4	4.0
110°-120°	196.2	2.8
120°-130°	124.4	1.8
130°-140°	68.9	1.0
140°-150°	29.8	0.4
150°-160°	7.4	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1300.8	18.5
0°-40°	2144.0	30.5
0°-60°	3948.1	56.2
0°-90°	5932.2	84.4
90°-120°	867.0	12.3
90°-150°	1090.1	15.5
90°-180°	1098.0	15.6
0°-180°	7030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1674	1674	1674	1674	1674	
5°	1691	1682	1661	1661	1648	161
15°	1619	1615	1598	1606	1594	456
25°	1480	1480	1484	1514	1509	682
35°	1290	1303	1349	1391	1400	805
45°	1058	1105	1185	1256	1273	816
55°	801	890	1016	1117	1147	719
65°	540	662	843	970	1008	536
75°	282	451	675	818	864	300
85°	63	278	523	679	725	72
90°	0	215	455	611	658	3
95°	4	169	396	548	599	1
105°	0	105	295	430	472	0
115°	0	68	215	325	358	0
125°	0	42	148	232	257	0
135°	0	25	93	152	169	0
145°	0	8	46	84	93	0
155°	0	4	13	25	30	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°	1673.8	1673.8	1673.8	1673.8	1673.8
2.5°	1699.1	1686.4	1665.4	1665.4	1652.7
5°	1690.7	1682.2	1661.1	1661.1	1648.5
7.5°	1682.2	1673.8	1648.5	1652.7	1640.1
10°	1665.4	1656.9	1635.8	1640.1	1627.4
12.5°	1644.3	1635.8	1619.0	1623.2	1610.5
15°	1619.0	1614.8	1597.9	1606.3	1593.7
17.5°	1589.5	1585.3	1572.6	1585.3	1576.8
20°	1555.7	1555.7	1547.3	1564.2	1555.7
22.5°	1517.8	1517.8	1513.6	1538.9	1530.4
25°	1479.8	1479.8	1484.1	1513.6	1509.4
27.5°	1437.7	1441.9	1454.6	1488.3	1484.1
30°	1391.3	1399.7	1420.8	1458.8	1458.8
32.5°	1340.7	1349.2	1382.9	1429.3	1429.3
35°	1290.1	1302.8	1349.2	1391.3	1399.7
37.5°	1231.1	1252.2	1307.0	1357.6	1366.0
40°	1176.3	1205.8	1264.8	1323.9	1336.5
42.5°	1117.3	1155.2	1226.9	1294.3	1307.0
45°	1058.2	1104.6	1184.7	1256.4	1273.3
47.5°	999.2	1049.8	1146.8	1222.7	1248.0
50°	931.8	995.0	1100.4	1188.9	1210.0
52.5°	868.5	940.2	1058.2	1151.0	1180.5
55°	801.1	889.6	1016.1	1117.3	1146.8
57.5°	742.0	830.6	969.7	1083.5	1113.0
60°	674.6	771.5	927.5	1041.4	1075.1
62.5°	607.1	721.0	885.4	1007.6	1045.6
65°	539.7	661.9	843.2	969.7	1007.6
67.5°	476.4	607.1	796.8	931.8	973.9
70°	409.0	552.3	754.7	893.8	936.0
72.5°	345.7	501.7	716.7	855.9	902.2
75°	282.5	451.1	674.6	817.9	864.3
77.5°	223.5	404.7	632.4	784.2	834.8
80°	160.2	358.4	594.5	746.2	796.8
82.5°	109.6	316.2	560.7	712.5	758.9
85°	63.2	278.3	522.8	678.8	725.2
87.5°	25.3	244.5	484.9	640.8	691.4
90°	0.0	215.0	455.3	611.3	657.7
92.5°	0.0	189.7	425.8	577.6	628.2
95°	4.2	168.6	396.3	548.1	598.7
97.5°	0.0	147.6	371.0	518.6	565.0
100°	0.0	134.9	345.7	489.1	535.4
102.5°	0.0	118.1	320.4	459.6	505.9
105°	0.0	105.4	295.1	430.0	472.2
107.5°	0.0	97.0	274.0	404.7	442.7
110°	0.0	84.3	253.0	379.4	417.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	75.9	231.9	349.9	387.9
115°	0.0	67.5	215.0	324.6	358.4
117.5°	0.0	63.2	193.9	299.3	333.1
120°	0.0	54.8	177.1	278.3	307.8
122.5°	0.0	50.6	164.4	253.0	282.5
125°	0.0	42.2	147.6	231.9	257.2
127.5°	0.0	37.9	130.7	210.8	231.9
130°	0.0	33.7	118.1	189.7	210.8
132.5°	0.0	29.5	105.4	168.6	189.7
135°	0.0	25.3	92.8	151.8	168.6
137.5°	0.0	21.1	80.1	130.7	147.6
140°	0.0	16.9	67.5	113.8	126.5
142.5°	0.0	12.6	59.0	97.0	109.6
145°	0.0	8.4	46.4	84.3	92.8
147.5°	0.0	8.4	37.9	67.5	75.9
150°	0.0	4.2	25.3	54.8	59.0
152.5°	0.0	4.2	21.1	42.2	42.2
155°	0.0	4.2	12.6	25.3	29.5
157.5°	0.0	0.0	8.4	16.9	16.9
160°	0.0	0.0	4.2	8.4	12.6
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)