

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: P218369

Luminaire Tested: **8TSNLED-LD5-61SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218369
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6499.0 lumens
Efficiency: N/A
Efficacy: 130.7 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

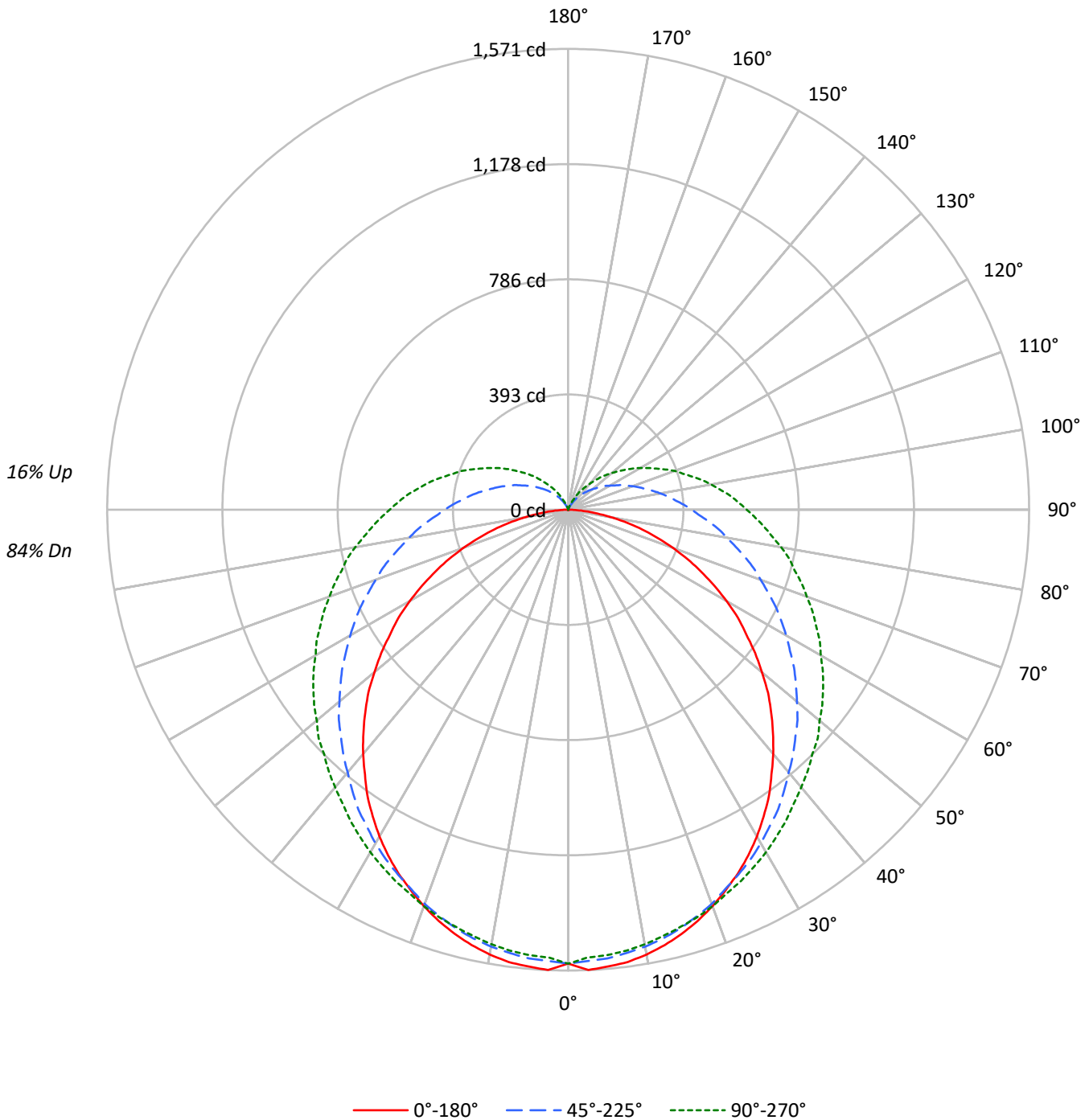
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	64
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°	12467	12467	12467
5°	12618	11682	11334
10°	12549	10975	10463
15°	12415	10324	9692
20°	12238	9712	9040
25°	12045	9125	8460
30°	11823	8625	7954
35°	11562	8148	7486
40°	11240	7659	7066
45°	10919	7247	6706
50°	10535	6854	6397
55°	10102	6497	6133
60°	9698	6140	5862
65°	9104	5832	5647
70°	8424	5509	5439
75°	7540	5255	5256
80°	6144	5006	5124
85°	4366	4829	4986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	2.3
10°-20°	419.0	6.4
20°-30°	636.9	9.8
30°-40°	779.5	12.0
40°-50°	841.6	12.9
50°-60°	826.3	12.7
60°-70°	744.2	11.5
70°-80°	616.2	9.5
80°-90°	473.9	7.3
90°-100°	357.3	5.5
100°-110°	262.9	4.0
110°-120°	181.4	2.8
120°-130°	115.0	1.8
130°-140°	63.7	1.0
140°-150°	27.6	0.4
150°-160°	6.9	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1202.5	18.5
0°-40°	1982.0	30.5
0°-60°	3649.9	56.2
0°-90°	5484.2	84.4
90°-120°	801.5	12.3
90°-150°	1007.8	15.5
90°-180°	1015.0	15.6
0°-180°	6499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1547	1547	1547	1547	1547	
5°	1563	1555	1536	1536	1524	148
15°	1497	1493	1477	1485	1473	422
25°	1368	1368	1372	1399	1395	630
35°	1193	1204	1247	1286	1294	745
45°	978	1021	1095	1162	1177	755
55°	741	822	939	1033	1060	665
65°	499	612	780	896	932	495
75°	261	417	624	756	799	277
85°	58	257	483	628	670	67
90°	0	199	421	565	608	3
95°	4	156	366	507	554	1
105°	0	97	273	398	436	0
115°	0	62	199	300	331	0
125°	0	39	136	214	238	0
135°	0	23	86	140	156	0
145°	0	8	43	78	86	0
155°	0	4	12	23	27	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°	1547.4	1547.4	1547.4	1547.4	1547.4
2.5°	1570.7	1559.1	1539.6	1539.6	1527.9
5°	1563.0	1555.2	1535.7	1535.7	1524.0
7.5°	1555.2	1547.4	1524.0	1527.9	1516.2
10°	1539.6	1531.8	1512.3	1516.2	1504.5
12.5°	1520.1	1512.3	1496.7	1500.6	1488.9
15°	1496.7	1492.8	1477.2	1485.0	1473.3
17.5°	1469.4	1465.5	1453.8	1465.5	1457.7
20°	1438.2	1438.2	1430.4	1446.0	1438.2
22.5°	1403.2	1403.2	1399.3	1422.6	1414.8
25°	1368.1	1368.1	1372.0	1399.3	1395.4
27.5°	1329.1	1333.0	1344.7	1375.9	1372.0
30°	1286.2	1294.0	1313.5	1348.6	1348.6
32.5°	1239.4	1247.2	1278.4	1321.3	1321.3
35°	1192.7	1204.4	1247.2	1286.2	1294.0
37.5°	1138.1	1157.6	1208.3	1255.0	1262.8
40°	1087.4	1114.7	1169.3	1223.9	1235.6
42.5°	1032.9	1068.0	1134.2	1196.6	1208.3
45°	978.3	1021.2	1095.2	1161.5	1177.1
47.5°	923.7	970.5	1060.2	1130.3	1153.7
50°	861.4	919.8	1017.3	1099.1	1118.6
52.5°	802.9	869.2	978.3	1064.1	1091.3
55°	740.6	822.4	939.3	1032.9	1060.2
57.5°	686.0	767.8	896.5	1001.7	1029.0
60°	623.6	713.3	857.5	962.7	993.9
62.5°	561.3	666.5	818.5	931.5	966.6
65°	498.9	611.9	779.5	896.5	931.5
67.5°	440.4	561.3	736.7	861.4	900.4
70°	378.1	510.6	697.7	826.3	865.3
72.5°	319.6	463.8	662.6	791.2	834.1
75°	261.1	417.0	623.6	756.1	799.0
77.5°	206.6	374.2	584.6	725.0	771.7
80°	148.1	331.3	549.6	689.9	736.7
82.5°	101.3	292.3	518.4	658.7	701.6
85°	58.5	257.2	483.3	627.5	670.4
87.5°	23.4	226.1	448.2	592.4	639.2
90°	0.0	198.8	420.9	565.2	608.0
92.5°	0.0	175.4	393.7	534.0	580.7
95°	3.9	155.9	366.4	506.7	553.5
97.5°	0.0	136.4	343.0	479.4	522.3
100°	0.0	124.7	319.6	452.1	495.0
102.5°	0.0	109.1	296.2	424.8	467.7
105°	0.0	97.4	272.8	397.6	436.5
107.5°	0.0	89.6	253.3	374.2	409.3
110°	0.0	78.0	233.9	350.8	385.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.2	214.4	323.5	358.6
115°	0.0	62.4	198.8	300.1	331.3
117.5°	0.0	58.5	179.3	276.7	307.9
120°	0.0	50.7	163.7	257.2	284.5
122.5°	0.0	46.8	152.0	233.9	261.1
125°	0.0	39.0	136.4	214.4	237.8
127.5°	0.0	35.1	120.8	194.9	214.4
130°	0.0	31.2	109.1	175.4	194.9
132.5°	0.0	27.3	97.4	155.9	175.4
135°	0.0	23.4	85.7	140.3	155.9
137.5°	0.0	19.5	74.1	120.8	136.4
140°	0.0	15.6	62.4	105.2	116.9
142.5°	0.0	11.7	54.6	89.6	101.3
145°	0.0	7.8	42.9	78.0	85.7
147.5°	0.0	7.8	35.1	62.4	70.2
150°	0.0	3.9	23.4	50.7	54.6
152.5°	0.0	3.9	19.5	39.0	39.0
155°	0.0	3.9	11.7	23.4	27.3
157.5°	0.0	0.0	7.8	15.6	15.6
160°	0.0	0.0	3.9	7.8	11.7
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)