

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: P218367

Luminaire Tested: **8TSNLED-LD5-61SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218367
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997.0 lumens
Efficiency: N/A
Efficacy: 120.6 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

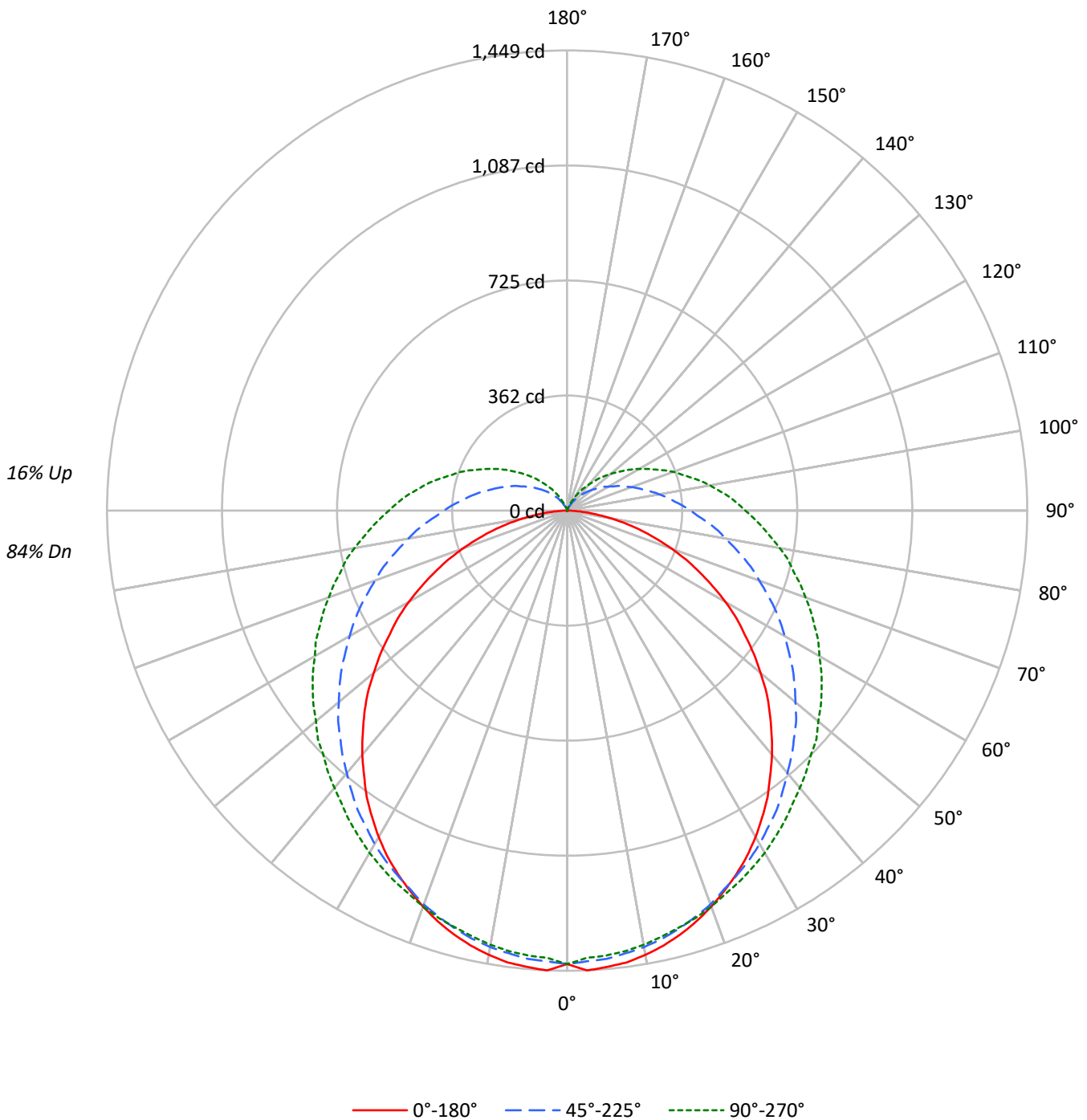
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11504	11504	11504
5°	11643	10780	10459
10°	11579	10128	9655
15°	11456	9527	8943
20°	11293	8962	8342
25°	11114	8420	7806
30°	10910	7959	7339
35°	10669	7519	6908
40°	10372	7067	6520
45°	10075	6687	6188
50°	9720	6325	5903
55°	9320	5995	5659
60°	8950	5665	5409
65°	8401	5382	5211
70°	7773	5084	5019
75°	6960	4850	4850
80°	5671	4619	4728
85°	4023	4457	4600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	2.3
10°-20°	386.7	6.4
20°-30°	587.7	9.8
30°-40°	719.3	12.0
40°-50°	776.6	12.9
50°-60°	762.4	12.7
60°-70°	686.7	11.5
70°-80°	568.6	9.5
80°-90°	437.3	7.3
90°-100°	329.7	5.5
100°-110°	242.6	4.0
110°-120°	167.3	2.8
120°-130°	106.1	1.8
130°-140°	58.7	1.0
140°-150°	25.4	0.4
150°-160°	6.4	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1109.6	18.5
0°-40°	1828.9	30.5
0°-60°	3368.0	56.2
0°-90°	5060.5	84.4
90°-120°	739.6	12.3
90°-150°	929.9	15.5
90°-180°	936.0	15.6
0°-180°	5997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1442	1435	1417	1417	1406	137
15°	1381	1378	1363	1370	1360	389
25°	1262	1262	1266	1291	1288	581
35°	1101	1111	1151	1187	1194	687
45°	903	942	1011	1072	1086	696
55°	683	759	867	953	978	613
65°	460	565	719	827	860	457
75°	241	385	576	698	737	256
85°	54	237	446	579	619	62
90°	0	183	388	522	561	3
95°	4	144	338	468	511	1
105°	0	90	252	367	403	0
115°	0	58	183	277	306	0
125°	0	36	126	198	219	0
135°	0	22	79	130	144	0
145°	0	7	40	72	79	0
155°	0	4	11	22	25	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218367

CATALOG NUMBER: 8TSNLED-LD5-61SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1427.8	1427.8	1427.8	1427.8	1427.8
2.5°	1449.4	1438.6	1420.6	1420.6	1409.9
5°	1442.2	1435.0	1417.1	1417.1	1406.3
7.5°	1435.0	1427.8	1406.3	1409.9	1399.1
10°	1420.6	1413.5	1395.5	1399.1	1388.3
12.5°	1402.7	1395.5	1381.1	1384.7	1373.9
15°	1381.1	1377.5	1363.1	1370.3	1359.5
17.5°	1355.9	1352.3	1341.5	1352.3	1345.1
20°	1327.1	1327.1	1319.9	1334.3	1327.1
22.5°	1294.8	1294.8	1291.2	1312.8	1305.6
25°	1262.4	1262.4	1266.0	1291.2	1287.6
27.5°	1226.4	1230.0	1240.8	1269.6	1266.0
30°	1186.9	1194.1	1212.0	1244.4	1244.4
32.5°	1143.7	1150.9	1179.7	1219.2	1219.2
35°	1100.6	1111.3	1150.9	1186.9	1194.1
37.5°	1050.2	1068.2	1114.9	1158.1	1165.3
40°	1003.4	1028.6	1079.0	1129.3	1140.1
42.5°	953.1	985.5	1046.6	1104.1	1114.9
45°	902.7	942.3	1010.6	1071.8	1086.2
47.5°	852.4	895.5	978.3	1043.0	1064.6
50°	794.8	848.8	938.7	1014.2	1032.2
52.5°	740.9	802.0	902.7	981.9	1007.0
55°	683.3	758.9	866.8	953.1	978.3
57.5°	633.0	708.5	827.2	924.3	949.5
60°	575.5	658.2	791.2	888.4	917.1
62.5°	517.9	615.0	755.3	859.6	892.0
65°	460.4	564.7	719.3	827.2	859.6
67.5°	406.4	517.9	679.8	794.8	830.8
70°	348.9	471.2	643.8	762.5	798.4
72.5°	294.9	428.0	611.4	730.1	769.7
75°	241.0	384.8	575.5	697.7	737.3
77.5°	190.6	345.3	539.5	669.0	712.1
80°	136.7	305.7	507.1	636.6	679.8
82.5°	93.5	269.7	478.3	607.8	647.4
85°	53.9	237.4	446.0	579.0	618.6
87.5°	21.6	208.6	413.6	546.7	589.8
90°	0.0	183.4	388.4	521.5	561.1
92.5°	0.0	161.8	363.3	492.7	535.9
95°	3.6	143.9	338.1	467.6	510.7
97.5°	0.0	125.9	316.5	442.4	481.9
100°	0.0	115.1	294.9	417.2	456.8
102.5°	0.0	100.7	273.3	392.0	431.6
105°	0.0	89.9	251.8	366.9	402.8
107.5°	0.0	82.7	233.8	345.3	377.6
110°	0.0	71.9	215.8	323.7	356.1



TEST NUMBER: P218367

CATALOG NUMBER: 8TSNLED-LD5-61SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	64.7	197.8	298.5	330.9
115°	0.0	57.5	183.4	276.9	305.7
117.5°	0.0	53.9	165.4	255.4	284.1
120°	0.0	46.8	151.1	237.4	262.6
122.5°	0.0	43.2	140.3	215.8	241.0
125°	0.0	36.0	125.9	197.8	219.4
127.5°	0.0	32.4	111.5	179.8	197.8
130°	0.0	28.8	100.7	161.8	179.8
132.5°	0.0	25.2	89.9	143.9	161.8
135°	0.0	21.6	79.1	129.5	143.9
137.5°	0.0	18.0	68.3	111.5	125.9
140°	0.0	14.4	57.5	97.1	107.9
142.5°	0.0	10.8	50.4	82.7	93.5
145°	0.0	7.2	39.6	71.9	79.1
147.5°	0.0	7.2	32.4	57.5	64.7
150°	0.0	3.6	21.6	46.8	50.4
152.5°	0.0	3.6	18.0	36.0	36.0
155°	0.0	3.6	10.8	21.6	25.2
157.5°	0.0	0.0	7.2	14.4	14.4
160°	0.0	0.0	3.6	7.2	10.8
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)