

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: P218355

Luminaire Tested: **4SNLED-LD5-58SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218355
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: 4SNLED-LD5-58SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5551.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

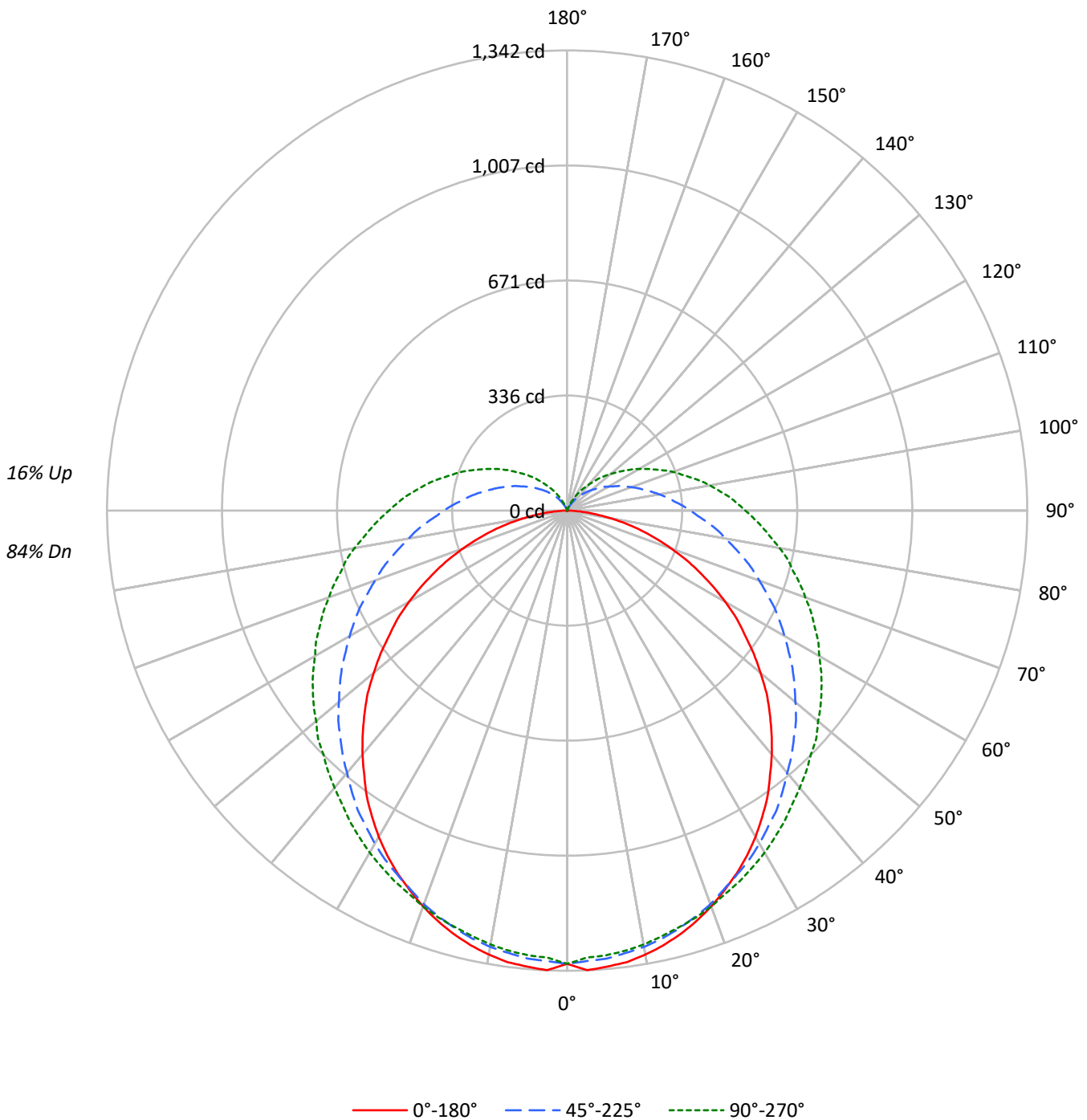
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21297	21297	21297
5°	21515	19932	19361
10°	21359	18705	17874
15°	21090	17578	16556
20°	20749	16522	15443
25°	20379	15507	14451
30°	19960	14646	13588
35°	19470	13825	12788
40°	18876	12983	12070
45°	18279	12276	11456
50°	17569	11599	10929
55°	16769	10984	10476
60°	16010	10371	10014
65°	14911	9841	9648
70°	13647	9284	9292
75°	12012	8846	8979
80°	9491	8413	8752
85°	6245	8102	8517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	2.3
10°-20°	357.9	6.4
20°-30°	544.0	9.8
30°-40°	665.8	12.0
40°-50°	718.8	12.9
50°-60°	705.7	12.7
60°-70°	635.6	11.5
70°-80°	526.3	9.5
80°-90°	404.8	7.3
90°-100°	305.1	5.5
100°-110°	224.5	4.0
110°-120°	154.9	2.8
120°-130°	98.2	1.8
130°-140°	54.4	1.0
140°-150°	23.6	0.4
150°-160°	5.9	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1027.1	18.5
0°-40°	1692.9	30.5
0°-60°	3117.5	56.2
0°-90°	4684.2	84.4
90°-120°	684.6	12.3
90°-150°	860.8	15.5
90°-180°	867.0	15.6
0°-180°	5551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1335	1328	1312	1312	1302	127
15°	1278	1275	1262	1268	1258	360
25°	1168	1168	1172	1195	1192	538
35°	1019	1029	1065	1099	1105	636
45°	836	872	936	992	1005	644
55°	632	702	802	882	906	568
65°	426	523	666	766	796	423
75°	223	356	533	646	682	237
85°	50	220	413	536	573	57
90°	0	170	360	483	519	3
95°	3	133	313	433	473	1
105°	0	83	233	340	373	0
115°	0	53	170	256	283	0
125°	0	33	116	183	203	0
135°	0	20	73	120	133	0
145°	0	7	37	67	73	0
155°	0	3	10	20	23	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°	1321.7	1321.7	1321.7	1321.7	1321.7
2.5°	1341.6	1331.6	1315.0	1315.0	1305.0
5°	1335.0	1328.3	1311.7	1311.7	1301.7
7.5°	1328.3	1321.7	1301.7	1305.0	1295.0
10°	1315.0	1308.3	1291.7	1295.0	1285.0
12.5°	1298.3	1291.7	1278.4	1281.7	1271.7
15°	1278.4	1275.0	1261.7	1268.4	1258.4
17.5°	1255.1	1251.7	1241.8	1251.7	1245.1
20°	1228.4	1228.4	1221.8	1235.1	1228.4
22.5°	1198.5	1198.5	1195.1	1215.1	1208.5
25°	1168.5	1168.5	1171.8	1195.1	1191.8
27.5°	1135.2	1138.6	1148.5	1175.2	1171.8
30°	1098.6	1105.3	1121.9	1151.9	1151.9
32.5°	1058.7	1065.3	1091.9	1128.6	1128.6
35°	1018.7	1028.7	1065.3	1098.6	1105.3
37.5°	972.1	988.7	1032.0	1072.0	1078.6
40°	928.8	952.1	998.7	1045.3	1055.3
42.5°	882.2	912.2	968.8	1022.0	1032.0
45°	835.6	872.2	935.5	992.1	1005.4
47.5°	789.0	828.9	905.5	965.4	985.4
50°	735.7	785.7	868.9	938.8	955.5
52.5°	685.8	742.4	835.6	908.8	932.1
55°	632.5	702.4	802.3	882.2	905.5
57.5°	585.9	655.8	765.7	855.6	878.9
60°	532.7	609.2	732.4	822.3	848.9
62.5°	479.4	569.3	699.1	795.7	825.6
65°	426.1	522.7	665.8	765.7	795.7
67.5°	376.2	479.4	629.2	735.7	769.0
70°	322.9	436.1	595.9	705.8	739.1
72.5°	273.0	396.2	565.9	675.8	712.4
75°	223.0	356.2	532.7	645.8	682.5
77.5°	176.4	319.6	499.4	619.2	659.2
80°	126.5	283.0	469.4	589.3	629.2
82.5°	86.6	249.7	442.8	562.6	599.2
85°	49.9	219.7	412.8	536.0	572.6
87.5°	20.0	193.1	382.8	506.0	546.0
90°	0.0	169.8	359.5	482.7	519.3
92.5°	0.0	149.8	336.2	456.1	496.0
95°	3.3	133.2	312.9	432.8	472.7
97.5°	0.0	116.5	293.0	409.5	446.1
100°	0.0	106.5	273.0	386.2	422.8
102.5°	0.0	93.2	253.0	362.9	399.5
105°	0.0	83.2	233.0	339.6	372.9
107.5°	0.0	76.6	216.4	319.6	349.6
110°	0.0	66.6	199.7	299.6	329.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.9	183.1	276.3	306.3
115°	0.0	53.3	169.8	256.3	283.0
117.5°	0.0	49.9	153.1	236.4	263.0
120°	0.0	43.3	139.8	219.7	243.0
122.5°	0.0	39.9	129.8	199.7	223.0
125°	0.0	33.3	116.5	183.1	203.1
127.5°	0.0	30.0	103.2	166.5	183.1
130°	0.0	26.6	93.2	149.8	166.5
132.5°	0.0	23.3	83.2	133.2	149.8
135°	0.0	20.0	73.2	119.8	133.2
137.5°	0.0	16.6	63.3	103.2	116.5
140°	0.0	13.3	53.3	89.9	99.9
142.5°	0.0	10.0	46.6	76.6	86.6
145°	0.0	6.7	36.6	66.6	73.2
147.5°	0.0	6.7	30.0	53.3	59.9
150°	0.0	3.3	20.0	43.3	46.6
152.5°	0.0	3.3	16.6	33.3	33.3
155°	0.0	3.3	10.0	20.0	23.3
157.5°	0.0	0.0	6.7	13.3	13.3
160°	0.0	0.0	3.3	6.7	10.0
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)