

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: P217955

Luminaire Tested: **4SNLED-LD5-40SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-40SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3769.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

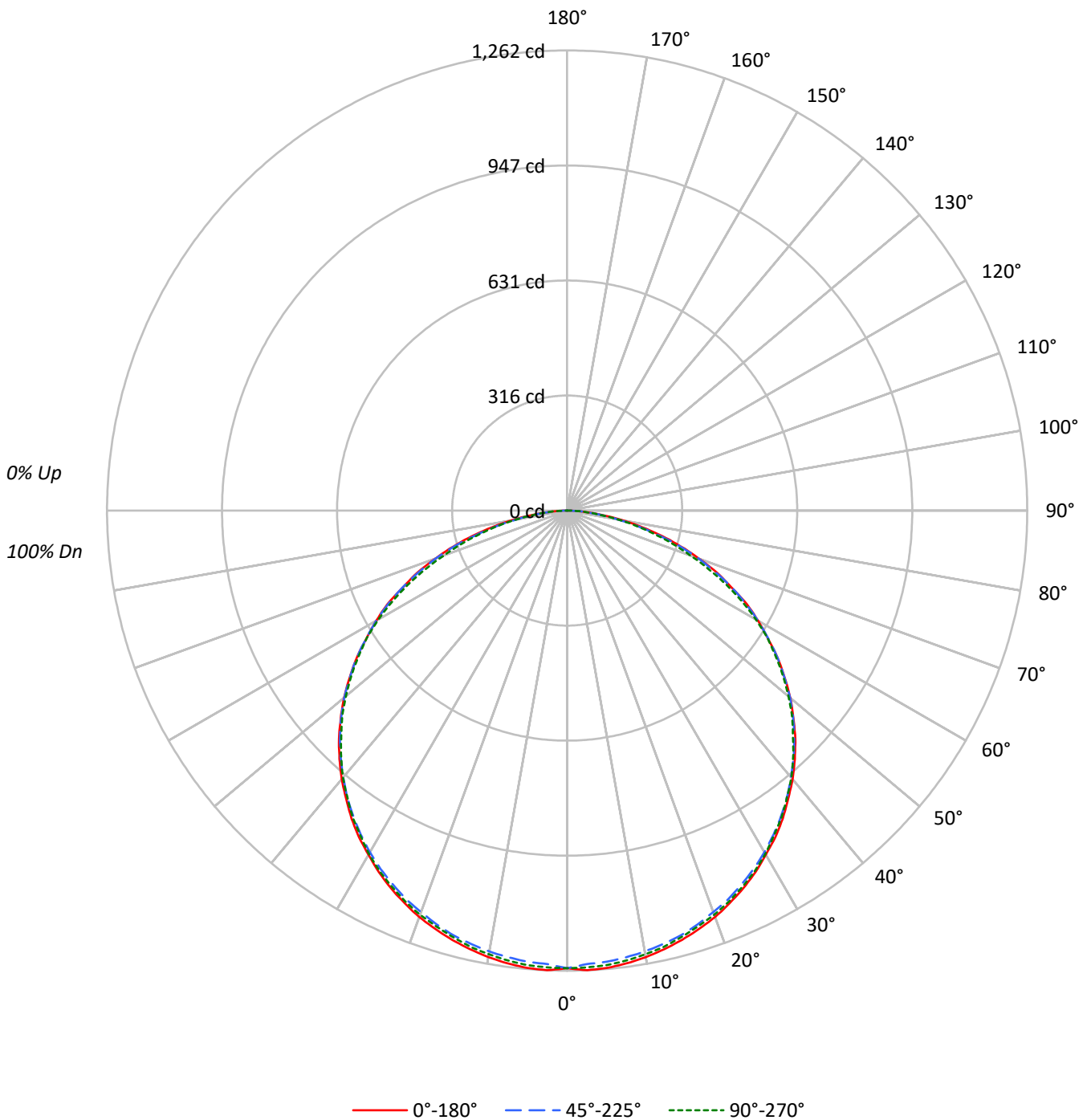
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20226	20226	20226
5°	20292	18876	18612
10°	20198	17782	17188
15°	20106	16798	15931
20°	20036	15845	14830
25°	19936	14973	13797
30°	19798	14124	12823
35°	19705	13279	11868
40°	19551	12420	10942
45°	19361	11562	9980
50°	19080	10649	9064
55°	18697	9655	8084
60°	18177	8564	7058
65°	17378	7359	5848
70°	16251	5950	4523
75°	14533	4286	3242
80°	11637	2547	2013
85°	7184	1099	814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	3.2
10°-20°	342.5	9.1
20°-30°	524.7	13.9
30°-40°	642.2	17.0
40°-50°	679.6	18.0
50°-60°	628.6	16.7
60°-70°	488.1	12.9
70°-80°	274.9	7.3
80°-90°	69.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	986.1	26.2
0°-40°	1628.3	43.2
0°-60°	2936.4	77.9
0°-90°	3769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3769.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1259	1254	1242	1254	1251	120
15°	1219	1215	1206	1216	1211	344
25°	1143	1139	1131	1140	1138	527
35°	1031	1027	1023	1026	1026	645
45°	885	884	881	880	876	682
55°	705	708	705	703	699	629
65°	497	500	498	491	482	493
75°	270	270	258	252	246	284
85°	57	57	56	56	55	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1255.2	1255.2	1255.2	1255.2	1255.2
2.5°	1261.8	1256.5	1244.8	1256.5	1253.9
5°	1259.1	1253.9	1242.2	1253.9	1251.3
7.5°	1252.6	1248.7	1235.7	1247.4	1244.8
10°	1243.5	1239.6	1227.9	1239.6	1235.7
12.5°	1231.8	1227.9	1217.4	1227.9	1225.3
15°	1218.7	1214.8	1205.7	1216.1	1210.9
17.5°	1203.1	1200.5	1190.1	1200.5	1195.3
20°	1186.2	1180.9	1171.8	1182.2	1179.6
22.5°	1165.3	1162.7	1153.6	1162.7	1160.1
25°	1143.1	1139.2	1131.4	1140.5	1137.9
27.5°	1118.4	1115.8	1107.9	1114.5	1114.5
30°	1089.7	1088.4	1081.9	1088.4	1087.1
32.5°	1062.3	1059.7	1053.2	1058.4	1055.8
35°	1031.0	1027.1	1023.2	1025.8	1025.8
37.5°	995.8	994.5	990.6	994.5	990.6
40°	962.0	959.3	955.4	956.7	956.7
42.5°	924.2	922.9	918.9	918.9	917.6
45°	885.1	883.7	881.1	879.8	875.9
47.5°	842.0	840.7	840.7	839.4	836.8
50°	799.0	799.0	797.7	793.8	792.5
52.5°	752.1	754.7	750.8	748.2	746.9
55°	705.2	707.8	705.2	702.6	698.7
57.5°	653.0	658.2	654.3	653.0	651.7
60°	604.8	607.4	604.8	600.9	598.3
62.5°	555.3	555.3	551.4	548.8	540.9
65°	496.6	500.5	497.9	491.4	482.3
67.5°	444.5	441.9	439.3	431.4	421.0
70°	384.5	385.8	381.9	370.2	359.8
72.5°	327.2	329.8	322.0	306.3	303.7
75°	269.8	269.8	258.1	251.6	246.4
77.5°	211.2	212.5	196.8	195.5	194.2
80°	155.1	157.7	142.1	146.0	144.7
82.5°	105.6	103.0	96.5	96.5	95.2
85°	57.4	57.4	56.0	56.0	54.7
87.5°	22.2	23.5	26.1	28.7	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)