

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: P218171

Luminaire Tested: **2SNLED-LD5-32HL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-32HL-LN-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3145.0 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

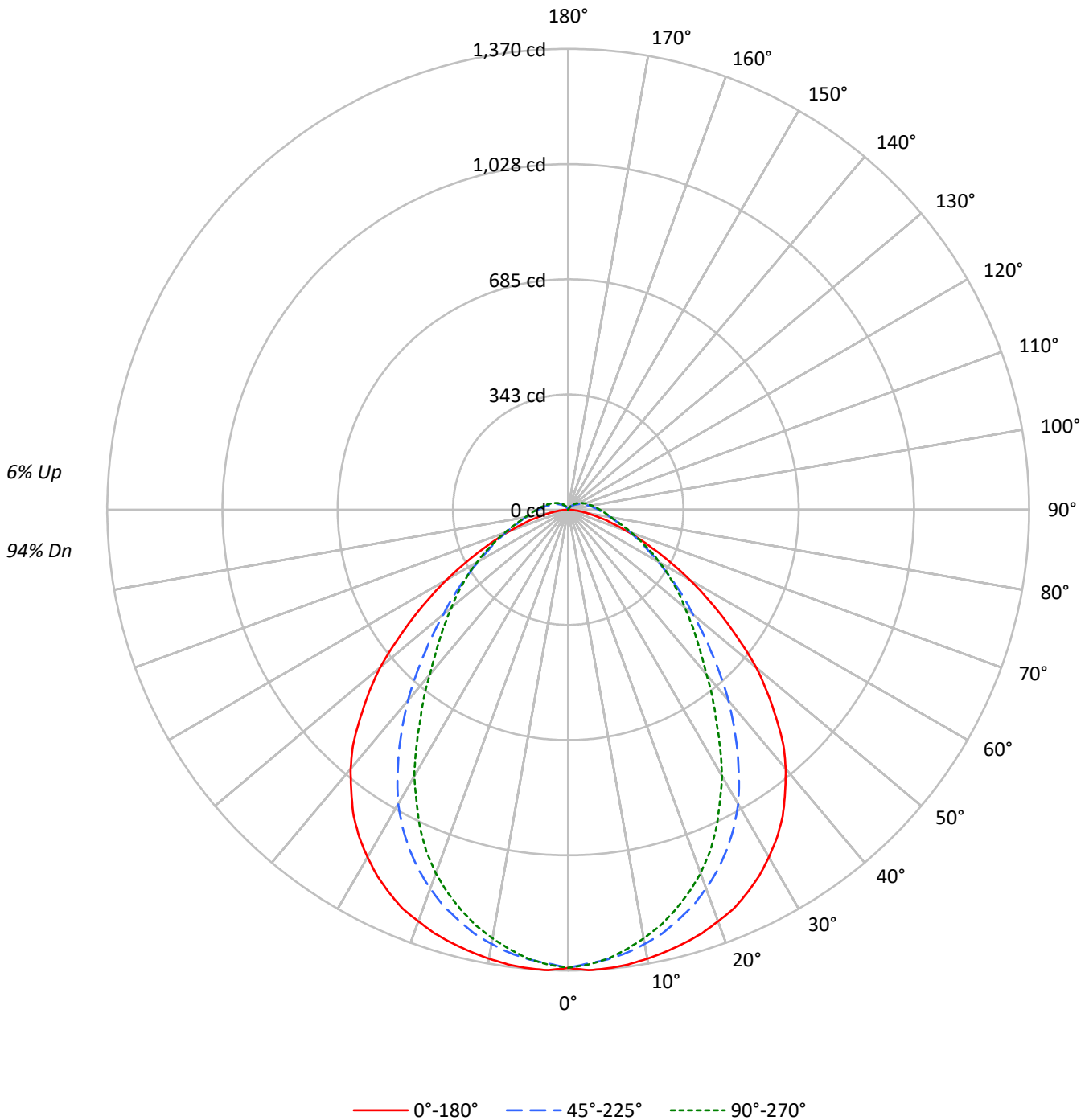
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

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

	0°	45°	90°
0°	43894	43894	43894
5°	43957	40690	39877
10°	43711	37787	36001
15°	43530	34951	32395
20°	43349	32127	28913
25°	43043	29214	25274
30°	42353	26076	21577
35°	41325	22443	17753
40°	39543	18967	14631
45°	36730	15563	12271
50°	33246	12679	10349
55°	28363	10448	8819
60°	23515	8537	7389
65°	18432	7075	6109
70°	14095	5933	5041
75°	10386	5027	4186
80°	6889	4430	3594
85°	3765	4017	3254



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.0	4.1
10°-20°	359.4	11.4
20°-30°	520.4	16.5
30°-40°	566.4	18.0
40°-50°	503.0	16.0
50°-60°	382.9	12.2
60°-70°	254.2	8.1
70°-80°	154.9	4.9
80°-90°	96.0	3.1
90°-100°	65.5	2.1
100°-110°	46.0	1.5
110°-120°	31.4	1.0
120°-130°	19.9	0.6
130°-140°	11.3	0.4
140°-150°	5.3	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1007.8	32.0
0°-40°	1574.2	50.1
0°-60°	2460.1	78.2
0°-90°	2965.3	94.3
90°-120°	142.9	4.5
90°-150°	179.4	5.7
90°-180°	180.0	5.7
0°-180°	3145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1369	1360	1342	1349	1340	130
15°	1334	1311	1263	1248	1231	377
25°	1258	1201	1115	1070	1042	579
35°	1112	1012	876	800	767	693
45°	873	742	603	552	538	672
55°	565	459	389	383	381	507
65°	285	245	245	255	252	287
75°	109	124	156	164	159	118
85°	20	63	106	113	109	24
90°	0	46	90	98	94	1
95°	0	36	76	84	83	0
105°	0	23	55	63	63	0
115°	0	15	40	48	46	0
125°	0	10	26	33	33	0
135°	0	7	18	23	23	0
145°	0	3	10	13	13	0
155°	0	0	0	0	0	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°	1362.0	1362.0	1362.0	1362.0	1362.0
2.5°	1370.3	1363.7	1350.4	1358.7	1353.7
5°	1368.7	1360.4	1342.1	1348.8	1340.5
7.5°	1363.7	1353.7	1328.9	1332.2	1318.9
10°	1355.4	1342.1	1310.7	1307.3	1294.1
12.5°	1345.5	1328.9	1290.8	1279.2	1265.9
15°	1333.9	1310.7	1262.6	1247.7	1231.1
17.5°	1320.6	1289.1	1234.4	1211.2	1193.0
20°	1302.4	1264.3	1198.0	1169.8	1149.9
22.5°	1284.1	1234.4	1159.9	1121.8	1100.2
25°	1257.6	1201.3	1115.1	1070.4	1042.2
27.5°	1227.8	1163.2	1065.4	1007.4	976.0
30°	1193.0	1118.4	1010.7	942.8	914.6
32.5°	1154.9	1068.7	944.5	871.6	840.1
35°	1111.8	1012.4	876.5	800.3	767.2
37.5°	1058.8	951.1	808.6	730.7	704.2
40°	1005.8	886.5	740.7	667.8	639.6
42.5°	946.1	815.2	671.1	604.8	584.9
45°	873.2	742.3	603.1	551.8	538.5
47.5°	802.0	667.8	541.8	505.4	493.8
50°	729.1	594.8	483.8	460.6	452.4
52.5°	644.6	523.6	435.8	420.9	417.6
55°	565.0	459.0	389.4	382.8	381.1
57.5°	488.8	397.7	346.3	351.3	348.0
60°	417.6	341.3	308.2	314.8	313.2
62.5°	348.0	290.0	273.4	286.7	283.3
65°	285.0	245.2	245.2	255.2	251.9
67.5°	230.3	208.8	218.7	228.7	225.3
70°	183.9	175.6	195.5	203.8	200.5
72.5°	142.5	147.5	172.3	182.3	177.3
75°	109.4	124.3	155.8	164.0	159.1
77.5°	77.9	104.4	140.8	147.5	142.5
80°	54.7	87.8	127.6	134.2	129.2
82.5°	34.8	74.6	116.0	122.6	119.3
85°	19.9	63.0	106.0	112.7	109.4
87.5°	9.9	54.7	96.1	104.4	101.1
90°	0.0	46.4	89.5	97.8	94.4
92.5°	0.0	41.4	82.8	91.1	87.8
95°	0.0	36.5	76.2	84.5	82.8
97.5°	0.0	33.1	71.2	79.5	76.2
100°	0.0	28.2	64.6	72.9	71.2
102.5°	0.0	26.5	59.7	67.9	66.3
105°	0.0	23.2	54.7	63.0	63.0
107.5°	0.0	21.5	51.4	59.7	58.0
110°	0.0	18.2	46.4	54.7	54.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.6	43.1	51.4	49.7
115°	0.0	14.9	39.8	48.1	46.4
117.5°	0.0	14.9	36.5	43.1	43.1
120°	0.0	13.3	33.1	39.8	39.8
122.5°	0.0	11.6	29.8	36.5	36.5
125°	0.0	9.9	26.5	33.1	33.1
127.5°	0.0	9.9	24.9	31.5	31.5
130°	0.0	8.3	21.5	28.2	28.2
132.5°	0.0	6.6	19.9	24.9	24.9
135°	0.0	6.6	18.2	23.2	23.2
137.5°	0.0	5.0	14.9	19.9	19.9
140°	0.0	5.0	13.3	18.2	18.2
142.5°	0.0	3.3	11.6	16.6	14.9
145°	0.0	3.3	9.9	13.3	13.3
147.5°	0.0	1.7	8.3	11.6	11.6
150°	0.0	1.7	6.6	9.9	8.3
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)