

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: P218051

Luminaire Tested: **2SNLED-LD5-34HL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-34HL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3240.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

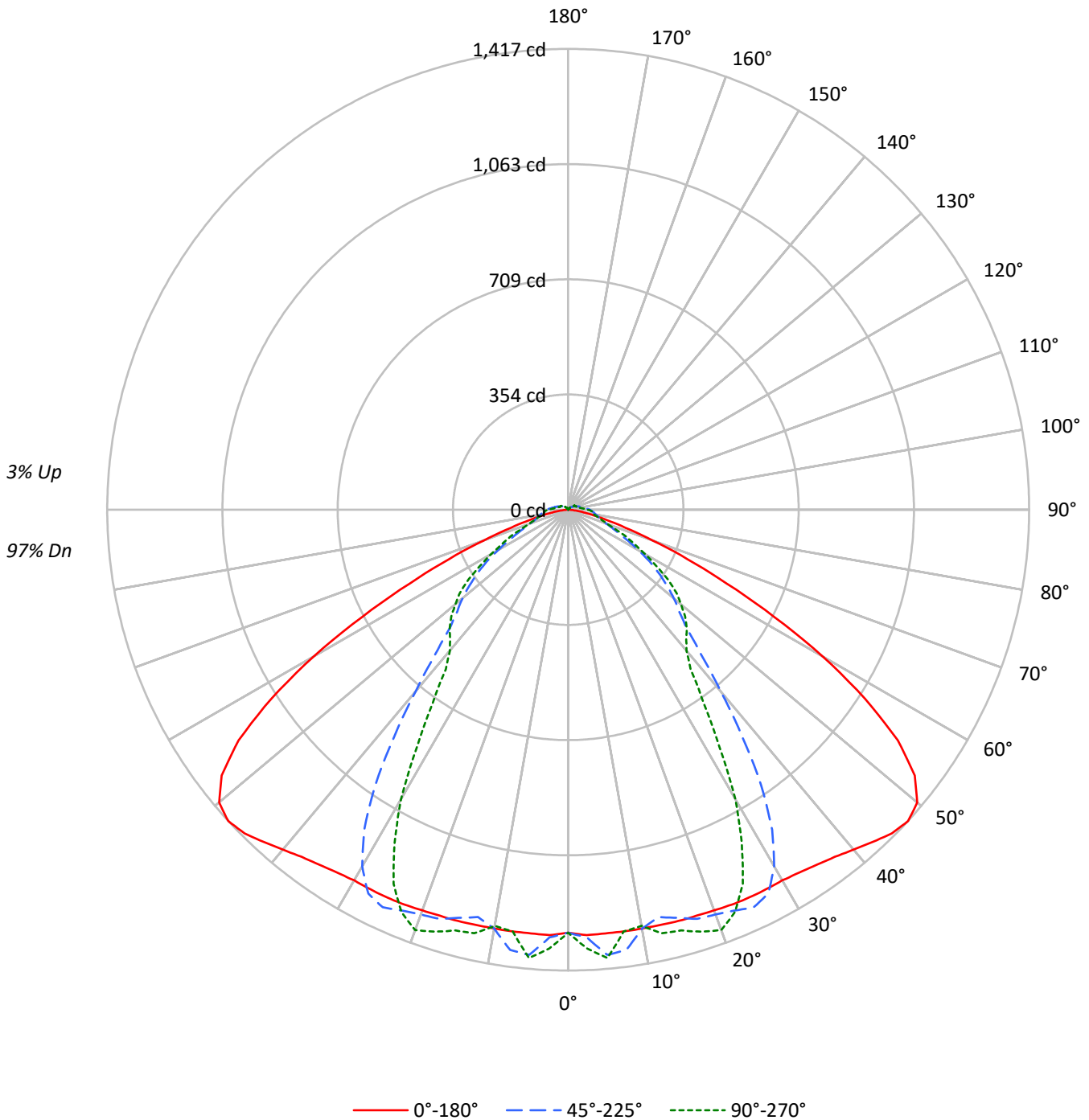
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41928	41928	41928
5°	41998	41657	41168
10°	42173	37701	36148
15°	42728	35969	35239
20°	43635	35512	34588
25°	45042	35345	30789
30°	46720	32668	24243
35°	49528	26481	16797
40°	53626	18673	12929
45°	59188	13259	11745
50°	63862	11120	10351
55°	62067	9117	8629
60°	50955	6886	6452
65°	34731	4974	4743
70°	21215	3772	3251
75°	11639	3207	2573
80°	6260	2993	2214
85°	2516	2888	2219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	3.9
10°-20°	376.7	11.6
20°-30°	598.5	18.5
30°-40°	645.3	19.9
40°-50°	556.2	17.2
50°-60°	421.1	13.0
60°-70°	227.5	7.0
70°-80°	108.0	3.3
80°-90°	67.8	2.1
90°-100°	43.2	1.3
100°-110°	27.6	0.9
110°-120°	18.5	0.6
120°-130°	12.2	0.4
130°-140°	6.0	0.2
140°-150°	2.5	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1103.0	34.0
0°-40°	1748.4	54.0
0°-60°	2725.7	84.1
0°-90°	3129.0	96.6
90°-120°	89.3	2.8
90°-150°	110.0	3.4
90°-180°	111.0	3.4
0°-180°	3240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1308	1336	1374	1392	1384	125
15°	1309	1344	1299	1344	1339	371
25°	1316	1291	1349	1313	1270	609
35°	1332	1283	1034	791	726	839
45°	1407	882	514	509	515	1083
55°	1236	381	340	371	373	1075
65°	537	162	172	194	196	551
75°	123	84	99	99	98	144
85°	13	51	76	76	75	19
90°	0	40	66	65	60	1
95°	0	32	53	48	45	0
105°	0	20	36	33	30	0
115°	0	12	25	25	25	0
125°	0	7	17	22	20	0
135°	0	3	10	12	12	0
145°	0	2	5	7	5	0
155°	0	2	2	3	2	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°	1301.0	1301.0	1301.0	1301.0	1301.0
2.5°	1309.3	1311.0	1316.0	1340.8	1350.8
5°	1307.7	1335.8	1374.0	1392.2	1383.9
7.5°	1307.7	1365.7	1365.7	1330.9	1307.7
10°	1307.7	1382.3	1307.7	1301.0	1299.4
12.5°	1307.7	1372.3	1282.8	1329.2	1334.2
15°	1309.3	1344.1	1299.4	1344.1	1339.2
17.5°	1309.3	1311.0	1319.3	1354.1	1360.7
20°	1311.0	1289.4	1324.2	1380.6	1375.6
22.5°	1314.3	1286.1	1334.2	1369.0	1339.2
25°	1316.0	1291.1	1349.1	1312.6	1269.6
27.5°	1316.0	1297.7	1330.9	1226.5	1155.2
30°	1316.0	1301.0	1266.2	1107.1	1027.6
32.5°	1322.6	1297.7	1166.8	951.3	865.2
35°	1332.5	1282.8	1034.2	790.6	725.9
37.5°	1345.8	1243.0	878.4	661.3	618.2
40°	1364.0	1156.8	729.2	578.4	565.2
42.5°	1385.6	1030.9	606.6	537.0	537.0
45°	1407.1	881.7	513.8	508.8	515.4
47.5°	1417.1	735.9	462.4	480.6	487.3
50°	1400.5	600.0	424.3	449.1	452.5
52.5°	1342.5	479.0	381.2	411.0	419.3
55°	1236.4	381.2	339.8	371.3	372.9
57.5°	1082.3	303.3	296.7	321.5	319.9
60°	904.9	245.3	248.6	273.5	273.5
62.5°	714.3	198.9	208.8	230.4	228.7
65°	537.0	162.4	172.4	193.9	195.6
67.5°	396.1	134.2	145.8	160.8	157.5
70°	276.8	112.7	124.3	132.6	129.3
72.5°	184.0	96.1	109.4	112.7	111.0
75°	122.6	84.5	99.4	99.4	97.8
77.5°	79.6	74.6	92.8	91.2	87.8
80°	49.7	66.3	86.2	82.9	79.6
82.5°	29.8	58.0	81.2	77.9	74.6
85°	13.3	51.4	76.2	76.2	74.6
87.5°	5.0	46.4	71.3	72.9	69.6
90°	0.0	39.8	66.3	64.6	59.7
92.5°	0.0	36.5	59.7	54.7	51.4
95°	0.0	31.5	53.0	48.1	44.7
97.5°	0.0	28.2	48.1	43.1	39.8
100°	0.0	24.9	43.1	38.1	34.8
102.5°	0.0	21.5	39.8	34.8	33.1
105°	0.0	19.9	36.5	33.1	29.8
107.5°	0.0	18.2	33.1	29.8	28.2
110°	0.0	14.9	29.8	28.2	26.5



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CANDELA DISTRIBUTION (continued):

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