

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: P218067

Luminaire Tested: **4SNLED-LD5-30SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218067
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: 4SNLED-LD5-30SL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

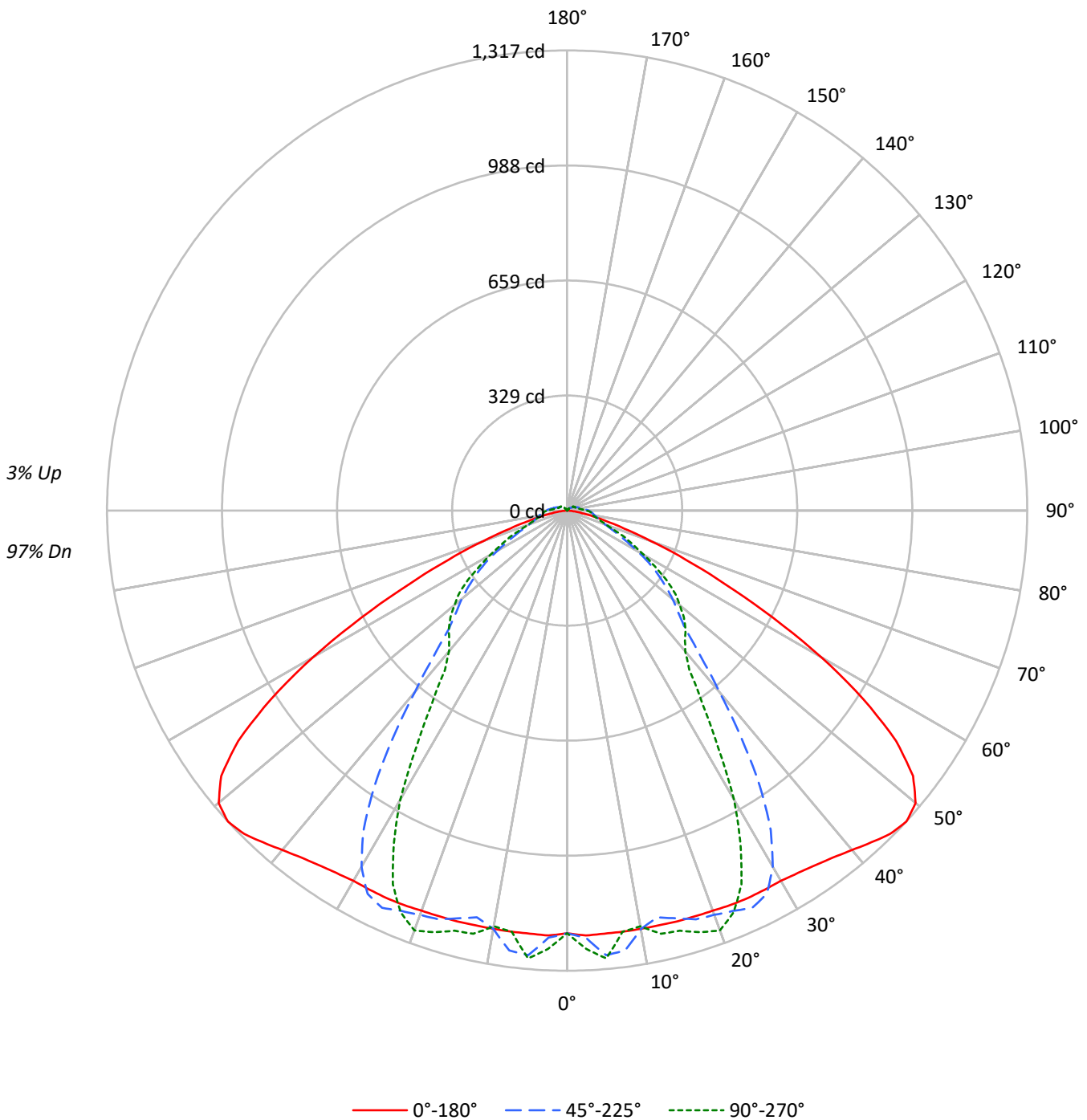
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19489	19489	19489
5°	19591	19410	19135
10°	19745	17603	16801
15°	20081	16829	16379
20°	20585	16647	16077
25°	21336	16598	14310
30°	22227	15366	11269
35°	23676	12477	7807
40°	25769	8812	6009
45°	28615	6267	5460
50°	31090	5265	4811
55°	30473	4325	4011
60°	25281	3272	2999
65°	17469	2368	2204
70°	10875	1801	1511
75°	6141	1534	1196
80°	3466	1436	1029
85°	1539	1392	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	3.9
10°-20°	350.1	11.6
20°-30°	556.4	18.5
30°-40°	599.9	19.9
40°-50°	517.1	17.2
50°-60°	391.5	13.0
60°-70°	211.5	7.0
70°-80°	100.4	3.3
80°-90°	63.1	2.1
90°-100°	40.1	1.3
100°-110°	25.7	0.9
110°-120°	17.2	0.6
120°-130°	11.3	0.4
130°-140°	5.5	0.2
140°-150°	2.4	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1025.4	34.0
0°-40°	1625.3	54.0
0°-60°	2533.8	84.1
0°-90°	2908.8	96.6
90°-120°	83.0	2.8
90°-150°	102.3	3.4
90°-180°	103.0	3.4
0°-180°	3012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1216	1242	1277	1294	1286	116
15°	1217	1250	1208	1250	1245	345
25°	1223	1200	1254	1220	1180	566
35°	1239	1192	961	735	675	780
45°	1308	820	478	473	479	1007
55°	1149	354	316	345	347	1000
65°	499	151	160	180	182	513
75°	114	79	92	92	91	134
85°	12	48	71	71	69	18
90°	0	37	62	60	56	1
95°	0	29	49	45	42	0
105°	0	18	34	31	28	0
115°	0	11	23	23	23	0
125°	0	6	15	20	18	0
135°	0	3	9	11	11	0
145°	0	2	5	6	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°	1209.5	1209.5	1209.5	1209.5	1209.5
2.5°	1217.2	1218.7	1223.4	1246.5	1255.7
5°	1215.6	1241.8	1277.3	1294.2	1286.5
7.5°	1215.6	1269.6	1269.6	1237.2	1215.6
10°	1215.6	1285.0	1215.6	1209.5	1207.9
12.5°	1215.6	1275.7	1192.5	1235.7	1240.3
15°	1217.2	1249.5	1207.9	1249.5	1244.9
17.5°	1217.2	1218.7	1226.4	1258.8	1265.0
20°	1218.7	1198.7	1231.1	1283.4	1278.8
22.5°	1221.8	1195.6	1240.3	1272.7	1244.9
25°	1223.4	1200.2	1254.2	1220.3	1180.2
27.5°	1223.4	1206.4	1237.2	1140.2	1073.9
30°	1223.4	1209.5	1177.1	1029.2	955.3
32.5°	1229.5	1206.4	1084.7	884.4	804.3
35°	1238.8	1192.5	961.4	734.9	674.8
37.5°	1251.1	1155.6	816.6	614.8	574.7
40°	1268.0	1075.4	677.9	537.7	525.4
42.5°	1288.1	958.3	563.9	499.2	499.2
45°	1308.1	819.7	477.6	473.0	479.2
47.5°	1317.3	684.1	429.9	446.8	453.0
50°	1301.9	557.8	394.4	417.5	420.6
52.5°	1248.0	445.3	354.4	382.1	389.8
55°	1149.4	354.4	315.9	345.1	346.7
57.5°	1006.1	282.0	275.8	298.9	297.4
60°	841.2	228.0	231.1	254.2	254.2
62.5°	664.1	184.9	194.1	214.2	212.6
65°	499.2	151.0	160.2	180.3	181.8
67.5°	368.2	124.8	135.6	149.5	146.4
70°	257.3	104.8	115.6	123.3	120.2
72.5°	171.0	89.4	101.7	104.8	103.2
75°	114.0	78.6	92.4	92.4	90.9
77.5°	74.0	69.3	86.3	84.7	81.7
80°	46.2	61.6	80.1	77.0	74.0
82.5°	27.7	53.9	75.5	72.4	69.3
85°	12.3	47.8	70.9	70.9	69.3
87.5°	4.6	43.1	66.3	67.8	64.7
90°	0.0	37.0	61.6	60.1	55.5
92.5°	0.0	33.9	55.5	50.8	47.8
95°	0.0	29.3	49.3	44.7	41.6
97.5°	0.0	26.2	44.7	40.1	37.0
100°	0.0	23.1	40.1	35.4	32.4
102.5°	0.0	20.0	37.0	32.4	30.8
105°	0.0	18.5	33.9	30.8	27.7
107.5°	0.0	16.9	30.8	27.7	26.2
110°	0.0	13.9	27.7	26.2	24.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.3	24.7	24.7	24.7
115°	0.0	10.8	23.1	23.1	23.1
117.5°	0.0	9.2	20.0	23.1	23.1
120°	0.0	9.2	18.5	21.6	21.6
122.5°	0.0	7.7	16.9	21.6	21.6
125°	0.0	6.2	15.4	20.0	18.5
127.5°	0.0	4.6	13.9	16.9	16.9
130°	0.0	4.6	12.3	15.4	13.9
132.5°	0.0	3.1	10.8	12.3	12.3
135°	0.0	3.1	9.2	10.8	10.8
137.5°	0.0	3.1	7.7	9.2	7.7
140°	0.0	1.5	6.2	7.7	6.2
142.5°	0.0	1.5	6.2	7.7	6.2
145°	0.0	1.5	4.6	6.2	4.6
147.5°	0.0	1.5	3.1	4.6	4.6
150°	0.0	1.5	3.1	4.6	3.1
152.5°	0.0	1.5	3.1	3.1	1.5
155°	0.0	1.5	1.5	3.1	1.5
157.5°	0.0	1.5	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	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)